

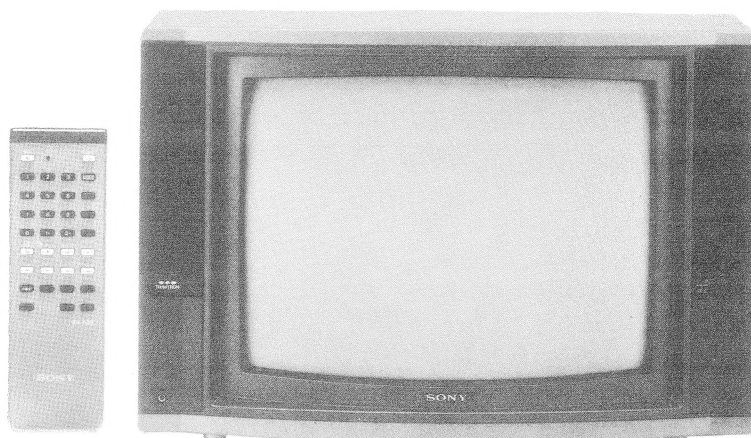
KV-2264EC

RM-635

SERVICE MANUAL

AEP Model

Chassis No. SCC-699A-A



November, 1985

RX

 CHASSIS

SPECIFICATIONS

Television system	CCIR TV standards (system B,G and H)
Colour system	PAL
Zweiton system	Two carrier system
Channel coverage	VHF channels E2-S20 UHF channels E21-E68
Programming system	30 programmes Automatic programming digital tuning
Picture tube	Approx. 56 cm (22 inches), Approx. 53.8 cm screen measured diagonally 114-degree deflection Trinitron system
Aerial	75-ohm standard aerial socket (DIN 45325/IEC 169-2)
Audio output	10 W + 10 W (music power)
Input/output	21-pin connector in accordance with the requirements of CENELEC standard
Outputs	Audio output connector (5-pin DIN) Recording output: 1 mV rms/kilohm Line output: variable, 0-2 V rms (max.) impedance less than 1 kilohm External speaker terminals (2-pin DIN) For 8 to 16 ohm speakers Headphones jack (stereo phone jack)
Power requirements	220-240 V ac, 50 Hz
Power consumption	110W
Dimensions	Approx. 692 x 462 x 408 mm (w/h/d)
Weight	Approx. 30kg
Accessory supplied	Remote Commander RM-635
Optional accessory	OPK-202 SECAM adaptor OPK-203 teletext adaptor

Design and specifications are subject to change without notice.

RM-635

Remote control system

Infrared control

Power requirements

3 V dc

2 batteries IEC designation R03 (size AAA)

Dimensions

Approx. 54 x 16 x 165 mm (w/h/d)

Weight

Approx. 100 g

incl. batteries

Accessories supplied IEC designation R03 battery (2)

Design and specifications are subject to change without notice.



TRINITRON® COLOR TV


SONY®

CTV

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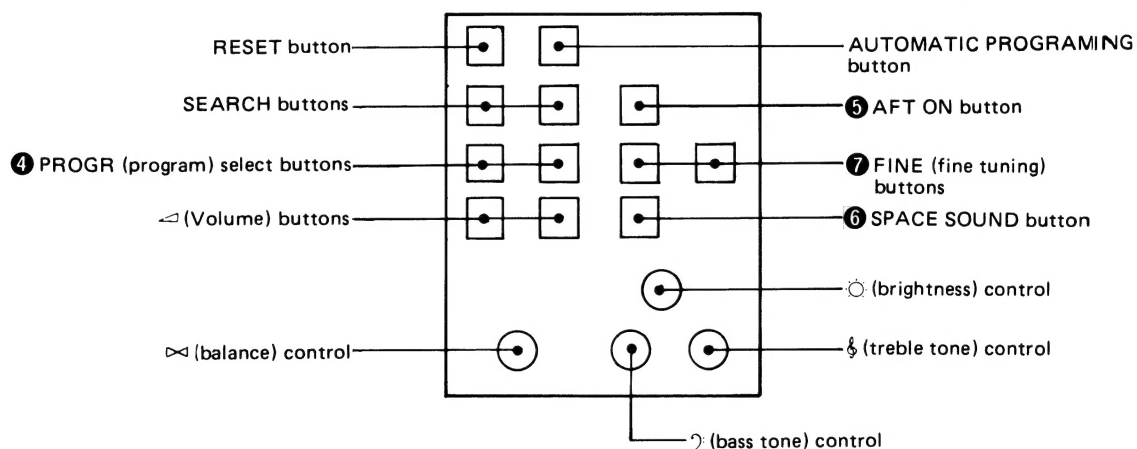
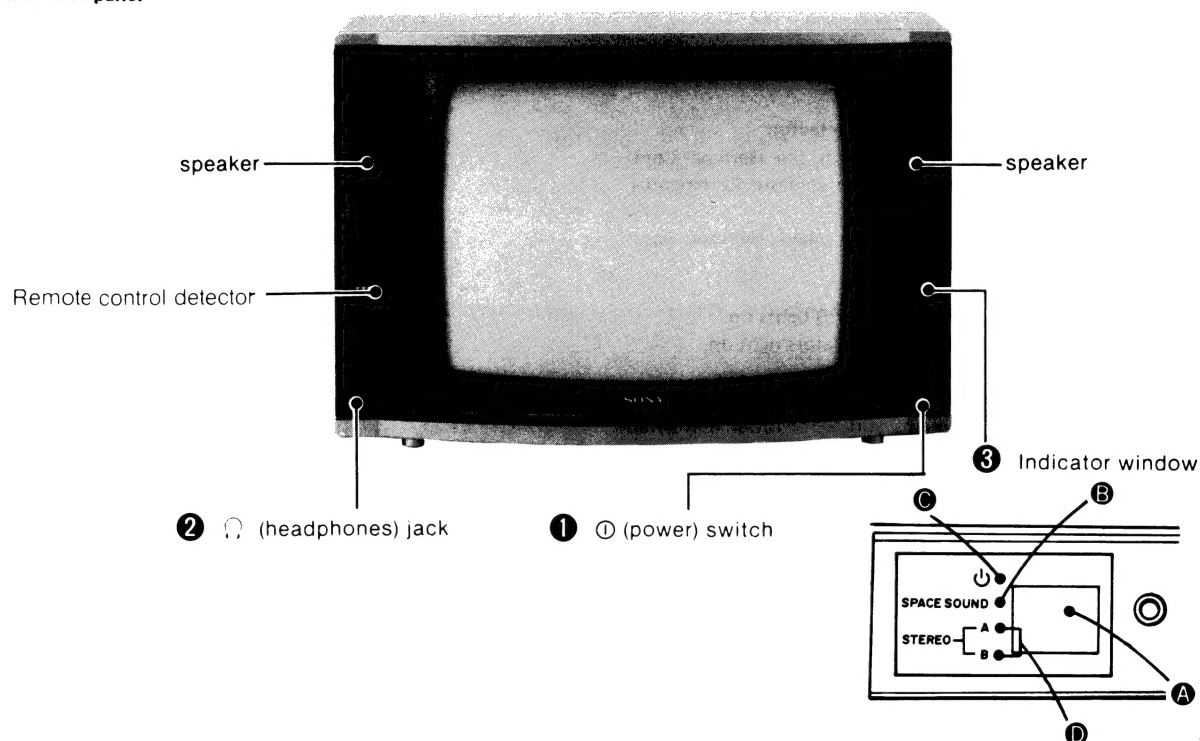
SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

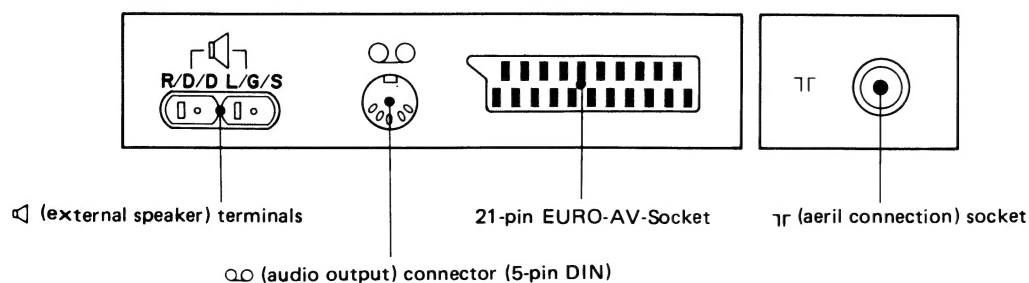
SECTION 1 GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



On the rear panel



① ① (power) switch

Press to turn the TV on. Press again to turn the power off.

② ② (headphones) jack

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug use an optional plug adaptor. To hear the sound from the speakers disconnect the headphones.

③ Indicator window

A Program indicator

B SPACE SOUND indicator

C ③ (standby) indicator and Remote control detector

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed this lamp blinks.

Point the infrared transmitter of the supplied Remote Commander here.

D Zweiton/STEREO indicators

When a dual-sound program is received, A or B lights up.

When a stereo program is received both indicators light up.

④ PROGR (program) select buttons

Press either + or – to select a preset program (from positions 1 through 30). Press + for higher numbered programs and – for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

⑤ AFT (automatic fine tuning) ON button

When the AFT circuit activates the indicator illuminates.

Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programing is finished, or after a station is tuned and memorized in the manual programing system the AFT circuit will automatically reactivate.

⑥ SPACE SOUND button

Press to get special acoustic effects (for example more presence). The SPACE SOUND indicator will illuminate. To disengage press it again.

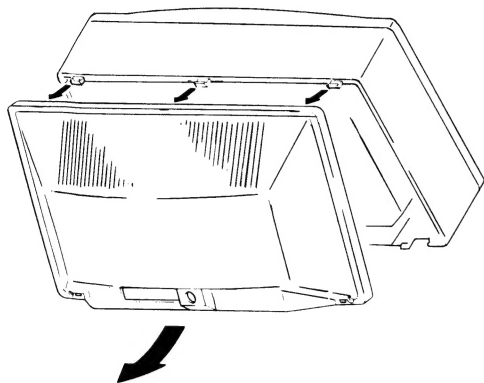
⑦ FINE (fine tuning) buttons

Keep either + or – depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.

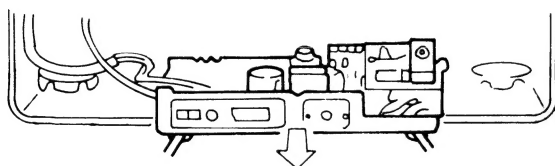
SECTION 2 DISASSEMBLY

2-1. OPK-202 ATTACHING

- 1 Remove the rear panel.

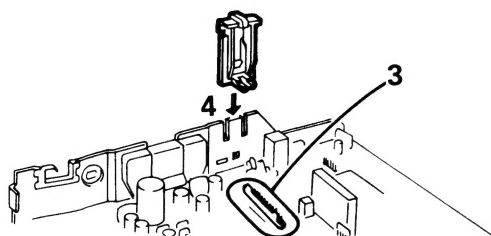


- 2 Pull out the main D board.

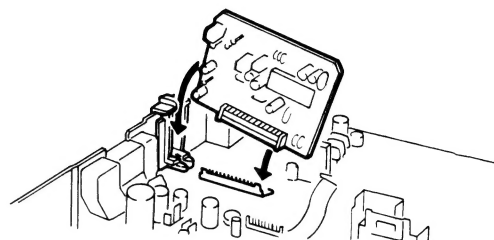


- 3 Cut off the five soldered connections marked SCM on the D-board:
JW 158, 169, 170, 171 and 172.

- 4 Insert the larger holder into the lefthand side frame.



- 5 Insert the adaptor into the D-20 board aligning the righthand pins first, and slide into the slot of the holder.



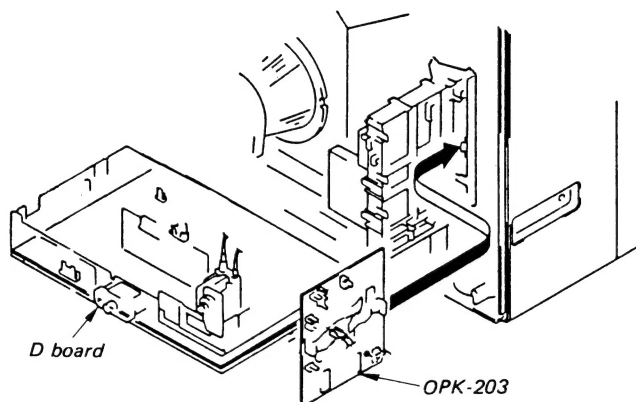
- 6 Connect the power plug, and check that the SECAM program is displayed in color.

7. Disconnect the power plug again and attach the rear panel.

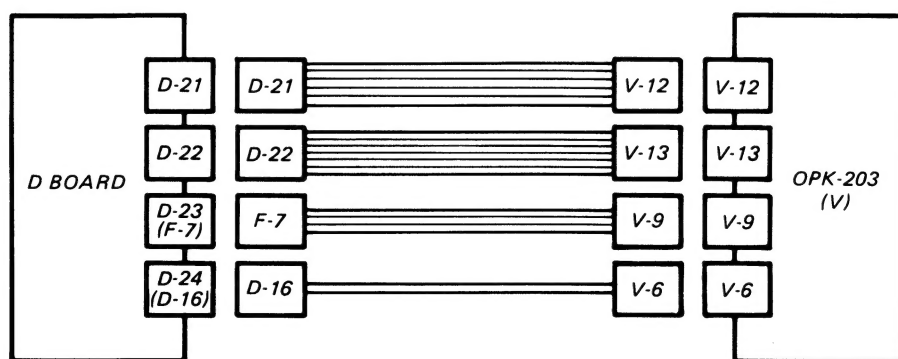
2-2. OPK-203 ATTACHING

Before installing the adaptor, unplug the set from the wall outlet.

1. Remove the rear panel.
2. Pull out the main D board.
3. Attach the OPK-203 board on the set in the reserved position using the holder or sash provided.



4. Connect to the reserve terminals as the connector.



5. Cut out the D004 of the D board.
6. PICTURE ADJUSTMENT
 - RV3: Adjust this VR to give the optimum contrast on TXT display.
 - RV2: Adjust this VR to obtain stable picture on non-interlace models.
7. Attach the rear panel.


SECTION 3

EXPLODED VIEWS

NOTE:

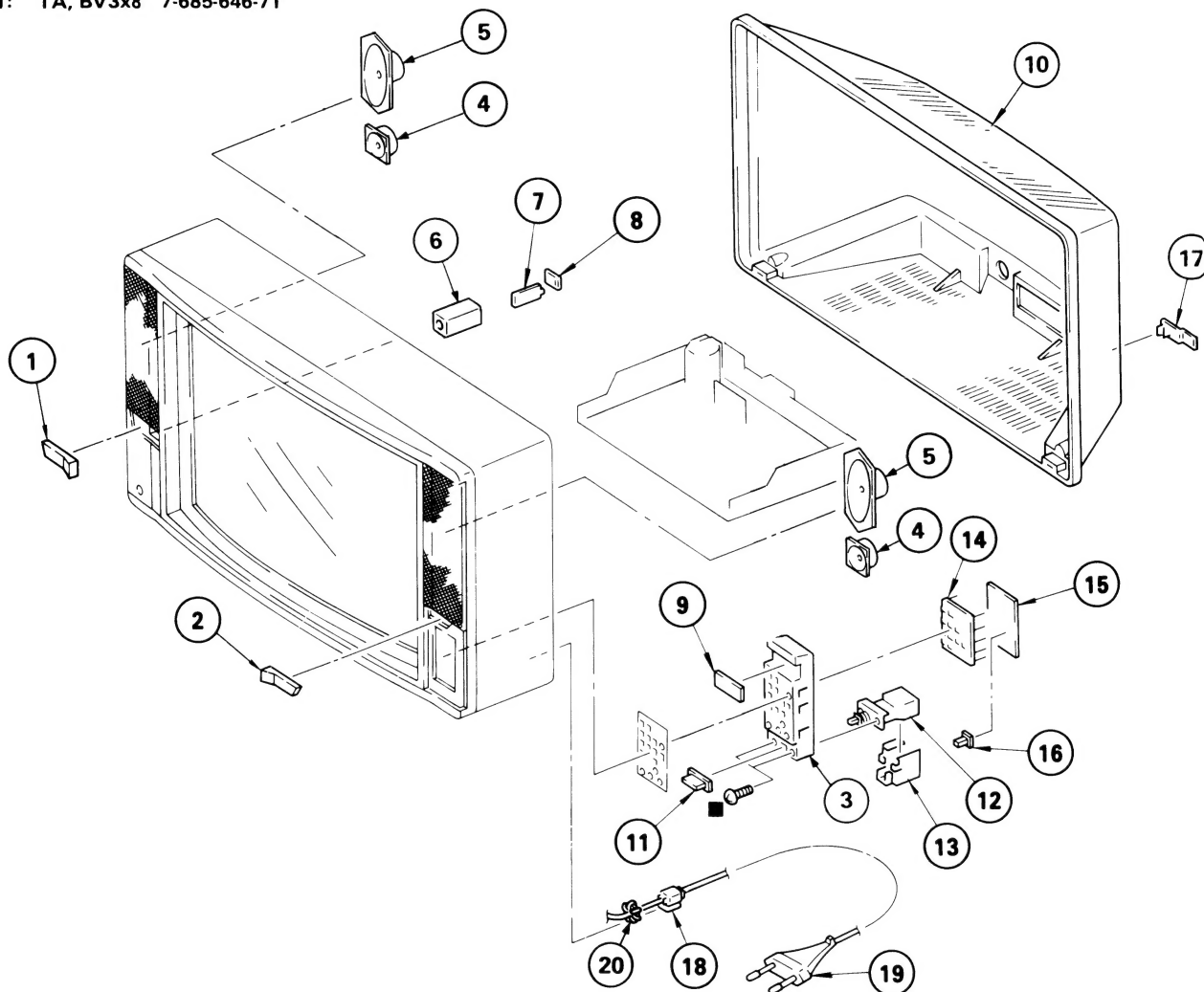
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.




The components identified by shading and mark  are critical for safety. Replace only with part number specified.

3-1. CABINET

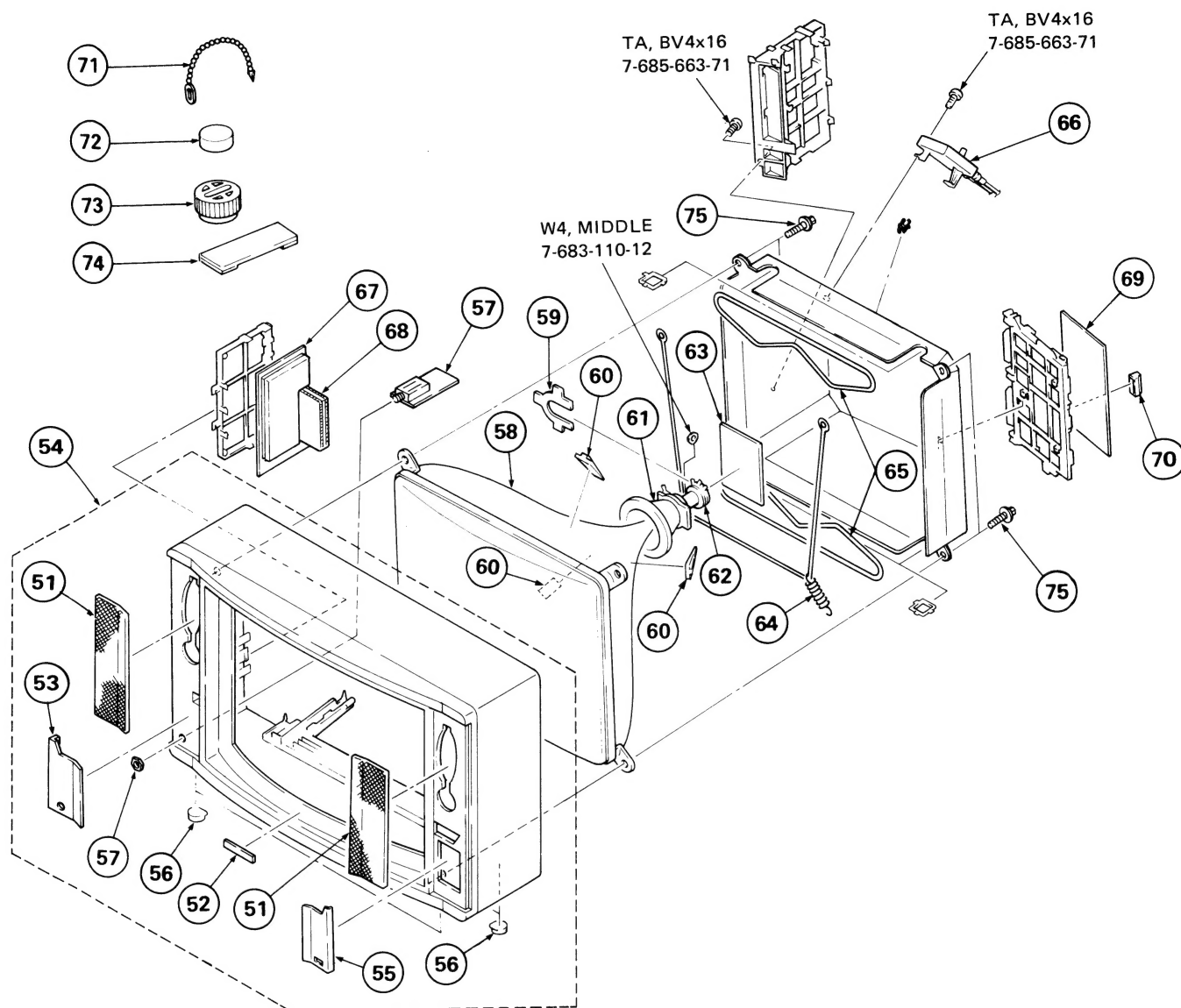
■: TA, BV3x8 7-685-646-71



No.	Part No.	Description
1	X-4373-201-1	WINDOW (L) ASSY, ORNAMENTAL
2	4-373-223-01	WINDOW (RIGHT), ORNAMENTAL
3	*4-373-232-01	PANEL, CONTROL
4	1-503-314-11	SPEAKER (TWEETER)
5	1-503-417-11	SPEAKER (WOOFER)
6	*4-342-117-00	CASE, SHIELD (MAIN), R
7	*1-611-717-11	N BOARD
8	*4-342-118-00	LID, SHIELD CASE, R
9	*1-612-977-21	H2 BOARD
10	4-373-272-01	COVER, REAR

Remark	No.	Part No.	Description	Remark
	11	4-373-206-01	BUTTON, POWER	
	12	 1-554-762-11	SWITCH, PUSH (AC POWER)(1 KEY)	
	13	*4-373-216-01	CAP, INSULATING, POWER SWITCH	
	14	4-373-213-01	BUTTON, MULTI	
	15	*1-612-976-21	H1 BOARD	
	16	4-361-938-00	PUSH BUTTON (A)	
	17	4-329-127-00	CLAMP, CORD	
	18	 4-022-115-01	HOLDER, AC CORD	
	19	 1-551-270-31	CORD, POWER	
	20	1-543-179-00	CORE, RING	

3-2. CRT

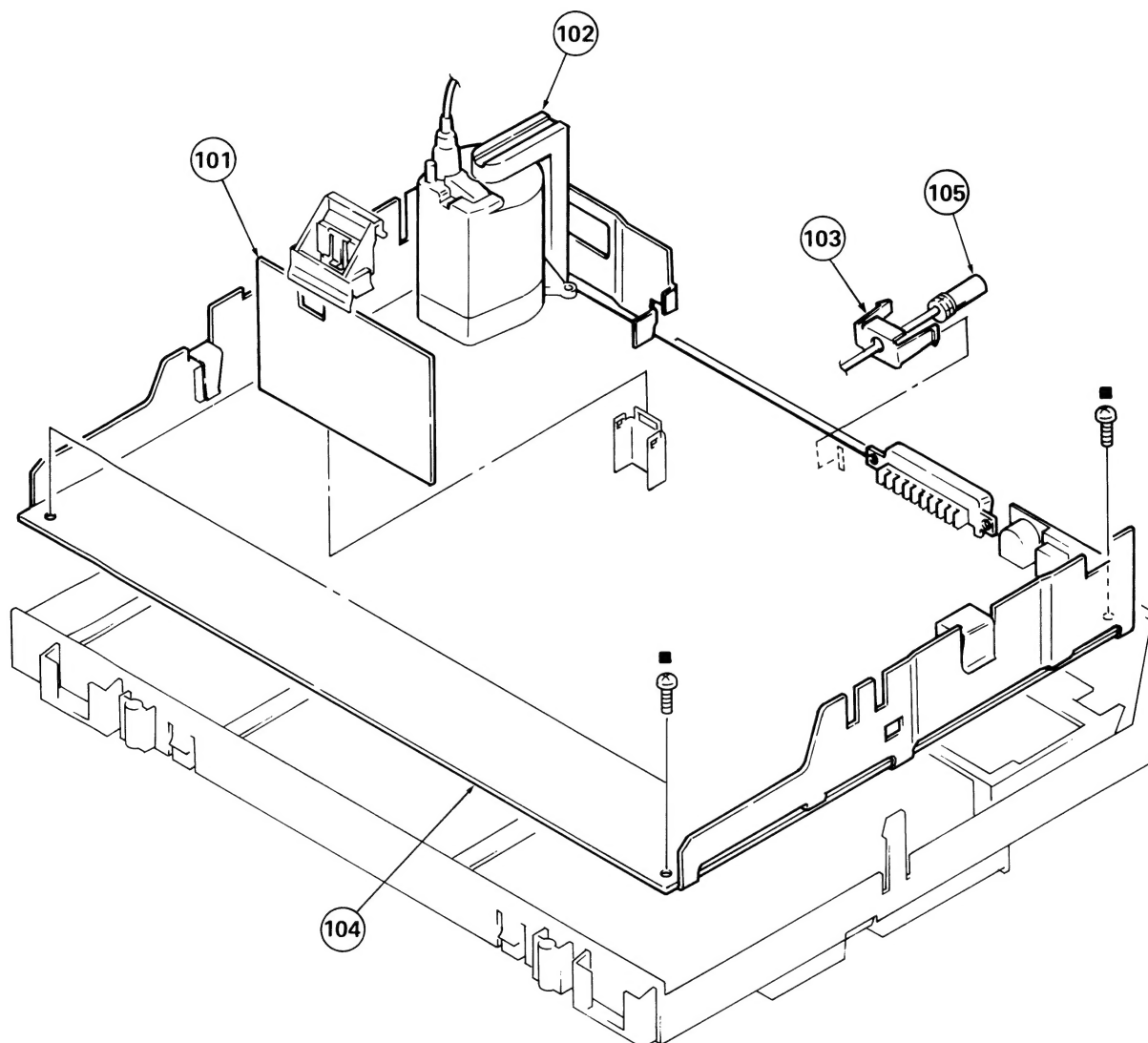


No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-373-269-01	PLATE, ORNAMENTAL		64	4-303-774-XX	SPRING	
52	4-374-115-01	EMBLEM, SONY		65	▲1-426-042-42	COIL, DEGAUSSING	
53	4-373-222-01	DOOR (LEFT)		66	▲1-226-733-13	RESISTOR ASSY, HIGH-VOLTAGE	
54	X-4373-205-1	CABINET ASSY		67	*A-1296-105-A	A BOARD, SUB, COMPLETE	
55	4-373-221-01	DOOR (RIGHT)	51,52,53,55,56	68	▲1-463-523-11	TUNER, ET (UHF/VHF) (UV417)	
56	4-310-333-00	CUSHION, FOOT		69	*A-1245-313-A	F BOARD, SUB, COMPLETE	
57	*1-614-116-11	J1 BOARD		70	*4-375-709-01	COVER, FUSE	
58	▲8-737-451-05	CRT (A53JBW02X)		71	4-308-870-00	CLIP, LEAD WIRE	
59	1-452-146-21	MAGNET, BMC		72	1-452-032-00	MAGNET, DISK; 10MM Ø	
60	3-703-003-00	SPACER, DY		73	1-452-094-00	MAGNET, ROTABLE DISK; 15MM Ø	
61	▲1-451-242-31	DEFLECTION YOKE (SY-88S)		74	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
62	▲1-452-316-11	CRT NECK ASSY (NA291)		75	4-373-263-01	SCREW, PT	
63	*A-1330-626-A	C BOARD, COMPLETE					

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

3-3. CHASSIS

■: TA, BV3x8 7-685-646-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	*A-1340-725-A	D1 BAORD, COMPLETE		103	*4-373-287-01	STOPPER	
102	1-439-331-41	TRANSFORMER ASSY, FLYBACK		104	*A-1345-540-A	D BOARD, SUB, COMPLETE	
				105	1-557-098-11	SOCKET, PAL ANTENNA (WITH CABLE)	

The components identified by shading and mark are critical for safety. Replace only with part number specified.

F

SECTION 4
ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.


• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS
• MF : μ F, PF : μ F

RESISTORS
• All resistors are in ohms
• F : nonflammable

COILS
• MMH : mH, UH : μ H

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1245-313-A F BOARD, SUB, COMPLETE *****				DIODE			
CAPACITOR				D601	8-719-503-06	DIODE S3WB60Z	
C601	Δ 1-108-745-62	MYLAR 0.22MF 20%	300V	D602	8-719-100-65	DIODE RD12E-B2	
C602	Δ 1-117-122-51	PAPER 0.33MF 20%	250V	D603	8-719-815-55	DIODE 1S1555	
C603	Δ 1-161-738-12	CERAMIC 0.0047MF 20%	400V	D604	8-759-157-40	IC UPC574J	
C604	Δ 1-161-738-12	CERAMIC 0.0047MF 20%	400V	D605	8-719-924-06	DIODE ERC24-06S	
C605	Δ 1-161-738-12	CERAMIC 0.0047MF 20%	400V	D606	8-719-815-55	DIODE 1S1555	
C606	Δ 1-161-738-12	CERAMIC 0.0047MF 20%	400V	D607	8-719-815-55	DIODE 1S1555	
C607	Δ 1-161-964-61	CERAMIC 0.0047MF 250V		D608	8-719-815-55	DIODE 1S1555	
C608	Δ 1-161-964-61	CERAMIC 0.0047MF 250V		D609	8-719-305-15	DIODE GH3F	
C609	Δ 1-161-964-61	CERAMIC 0.0047MF 250V		D651	8-719-928-08	DIODE ERD28-08S	
C610	1-125-318-00	ELECT(BLOCK) 220MF 20%	400V	D652	8-719-924-06	DIODE ERC24-06S	
C611	1-110-175-81	MYLAR 0.1MF 10%	100V	D653	8-719-924-06	DIODE ERC24-06S	
C612	1-130-022-00	FILM 0.0022MF 5%	50V	D654	8-719-924-06	DIODE ERC24-06S	
C613	1-123-356-00	ELECT 10MF 20%	16V	D654A	8-719-924-06	DIODE ERC24-06S	
C614	1-123-369-00	ELECT 4.7MF 20%	25V	D655	8-719-924-06	DIODE ERC24-06S	
C615	1-102-106-00	CERAMIC 100PF 10%	50V	D655A	8-719-924-06	DIODE ERC24-06S	
C616	1-123-369-00	ELECT 4.7MF 20%	25V	D656	8-719-924-06	DIODE ERC24-06S	
C617	1-110-186-81	MYLAR 0.0047MF 10%	400V	D657	8-719-924-06	DIODE ERC24-06S	
C618	1-102-030-00	CERAMIC 330PF 10%	500V	D658	8-719-102-74	DIODE RD6.2E-N2	
C619	1-110-182-81	MYLAR 0.022MF 10%	250V	D659	8-719-102-79	DIODE RD6.8E-N3	
C620	1-123-332-00	ELECT 47MF 20%	16V	D660	8-719-815-55	DIODE 1S1555	
C621	1-136-065-00	FILM 0.0027MF 3%	2KV	D661	8-719-815-55	DIODE 1S1555	
C622	1-123-385-00	ELECT 22MF 20%	100V	D663	8-719-102-74	DIODE RD6.2E-N2	
C623	1-161-973-00	CERAMIC 220PF 10%	400V	D664	8-719-100-65	DIODE RD12E-B2	
C624	1-161-973-00	CERAMIC 220PF 10%	400V	CONNECTOR			
C625	1-123-379-00	ELECT 0.47MF 20%	50V	F1	*1-506-348-XX	3P PLUG (L)	
C626	1-123-381-00	ELECT 2.2MF 20%	50V	F2	*1-508-765-00	3P PLUG (M)	
C627	1-123-380-00	ELECT 1MF 20%	50V	F3	*1-508-786-00	2P PLUG (M)	
C628	1-108-618-91	MYLAR 0.0022MF 10%	100V	F4	*1-508-765-00	3P PLUG (M)	
C632	1-102-002-00	CERAMIC 680PF 10%	500V	F6	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C633	Δ 1-108-745-62	MYLAR 0.22MF 20%	300V	F7	*1-564-883-11	PLUG, CONNECTOR 6P	
C634	1-110-175-81	MYLAR 0.1MF 10%	100V	FUSE			
C651	1-102-155-00	CERAMIC 330PF 20%	2KV	F601	Δ 1-532-465-31	FUSE 3.15/250V	
C652	1-124-347-00	ELECT 100MF 20%	160V		1-533-149-00	HOLDER, FUSE; F601	
C653	1-123-364-00	ELECT 1000MF 20%	50V	IC			
C654	1-123-606-00	ELECT 1000MF 20%	25V	IC601	8-759-100-75	IC UPC1394C	
C655	1-123-334-00	ELECT 220MF 20%	25V	IC602	Δ 8-719-800-82	DIODE TLP581	
C656	1-102-038-00	CERAMIC 0.001MF 500V		IC651	8-759-145-58	IC UPC4558C	
C658	1-123-332-00	ELECT 47MF 20%	16V	COIL			
C659	1-102-112-00	CERAMIC 330PF 10%	50V	L601	1-407-365-00	COIL, CHOKE	
C660	1-123-356-00	ELECT 10MF 20%	50V	L651	1-425-613-00	COIL, AIR-CORE, QF TYPE	
C661	1-123-333-00	ELECT 100MF 20%	16V	L652	1-459-442-00	COIL (WITH CORE)	
C662	1-110-190-81	MYLAR 0.01MF 10%	400V	TRANSISTOR			
C663	1-123-380-00	ELECT 1MF 20%	50V	Q601	8-729-195-82	TRANSISTOR 2SC2958	
C664	1-123-380-00	ELECT 1MF 20%	50V	Q602	8-729-301-00	TRANSISTOR 2SD1497-02	
C666	1-123-307-00	ELECT 100MF 20%	6.3V		4-365-216-00	SPACER, MICA; Q602	
C667	1-102-121-00	CERAMIC 0.0022MF 10%	50V				

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A

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>CONNECTOR</u>							
A1	*1-564-880-31	PLUG, CONNECTOR 3P		C152	1-101-004-00	CERAMIC 0.01MF	50V
A2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		C153	1-123-356-00	ELECT 10MF	20% 16V
A3	*1-564-889-11	PLUG, CONNECTOR 12P		C154	1-101-004-00	CERAMIC 0.01MF	50V
				C155	1-123-332-00	ELECT 47MF	20% 16V
				C156	1-123-306-00	ELECT 47MF	20% 10V
<u>CAPACITOR</u>				C157	1-123-306-00	ELECT 47MF	20% 10V
C102	1-123-356-00	ELECT 10MF	20% 16V	C158	1-123-379-00	ELECT 0.47MF	20% 50V
C104	1-123-356-00	ELECT 10MF	20% 16V	C159	1-102-816-00	CERAMIC 120PF	5% 50V
C105	1-123-356-00	ELECT 10MF	20% 16V	C160	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C106	1-123-323-00	ELECT 470MF	20% 16V	C164	1-108-620-91	MYLAR 0.0033MF	10% 100V
C107	1-123-330-00	ELECT 22MF	20% 16V	C165	1-108-620-91	MYLAR 0.0033MF	10% 100V
C108	1-136-163-00	FILM 0.068MF	5% 50V	C167	1-108-620-91	MYLAR 0.0033MF	10% 100V
C109	1-136-163-00	FILM 0.068MF	5% 50V	C168	1-108-620-91	MYLAR 0.0033MF	10% 100V
C110	1-102-963-00	CERAMIC 33PF	5% 50V	C169	1-123-356-00	ELECT 10MF	20% 16V
C111	1-123-318-00	ELECT 33MF	20% 16V	C170	1-123-356-00	ELECT 10MF	20% 16V
C112	1-102-527-00	CERAMIC 82PF	5% 50V	C171	1-123-318-00	ELECT 33MF	20% 16V
C113	1-102-510-00	CERAMIC 12PF	5% 50V	C172	1-123-379-00	ELECT 0.47MF	20% 50V
C115	1-102-852-00	CERAMIC 47PF	5% 50V	C173	1-123-379-00	ELECT 0.47MF	20% 50V
C116	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C174	1-110-190-81	MYLAR 0.01MF	10% 400W
C117	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C175	1-110-190-81	MYLAR 0.01MF	10% 400W
C118	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C176	1-123-380-00	ELECT 1MF	20% 50V
C119	1-108-603-00	MYLAR 0.1MF	5% 50V	C177	1-123-380-00	ELECT 1MF	20% 50V
C120	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C179	1-123-369-00	ELECT 4.7MF	20% 25V
C122	1-123-330-00	ELECT 22MF	20% 16V	C180	1-108-620-91	MYLAR 0.0033MF	10% 100V
C123	1-102-108-00	CERAMIC 150PF	10% 50V	C181	1-123-318-00	ELECT 33MF	20% 16V
C124	1-104-069-00	POLYSTYRENE 470PF	5% 50V	C182	1-123-307-00	ELECT 100MF	20% 10V
C125	1-101-361-00	CERAMIC 150PF	5% 50V	C183	1-101-361-00	CERAMIC 150PF	5% 50V
C126	1-123-318-00	ELECT 33MF	20% 16V	C184	1-102-973-00	CERAMIC 100PF	5% 50V
C127	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C186	1-102-121-00	CERAMIC 0.0022MF	10% 50V
C128	1-101-004-00	CERAMIC 0.01MF	50V	C188	1-102-125-00	CERAMIC 0.0047MF	10% 50V
C129	1-101-004-00	CERAMIC 0.01MF	50V	C189	1-101-006-21	CERAMIC 0.047MF	50V
C130	1-102-125-00	CERAMIC 0.0047MF	10% 50V	C190	1-106-220-00	MYLAR 0.1MF	10% 100V
C131	1-123-381-00	ELECT 2.2MF	20% 50V	<u>DISCRIMINATOR</u>			
C132	1-102-125-00	CERAMIC 0.0047MF	10% 50V	CD151	1-404-501-00	DISCRIMINATOR, CERAMIC	
C133	1-102-125-00	CERAMIC 0.0047MF	10% 50V	<u>FILTER</u>			
C134	1-102-125-00	CERAMIC 0.0047MF	10% 50V	CF101	1-527-840-00	FILTER, CERAMIC	
C135	1-102-525-00	CERAMIC 68PF	5% 50V	CF102	1-404-134-00	TRAP, CERAMIC (5.5MHZ)	
C136	1-102-525-00	CERAMIC 68PF	5% 50V	CF151	1-527-839-00	FILTER, CERAMIC	
C137	1-102-125-00	CERAMIC 0.0047MF	10% 50V	<u>DIODE</u>			
C138	1-123-380-00	ELECT 1MF	20% 50V	D102	8-719-911-19	DIODE 1SS119	
C139	1-102-125-00	CERAMIC 0.0047MF	10% 50V	D103	8-719-102-71	DIODE RD5.6E-N2	
C140	1-102-125-00	CERAMIC 0.0047MF	10% 50V	D104	8-719-911-19	DIODE 1SS119	
C141	1-123-318-00	ELECT 33MF	20% 16V	D105	8-719-911-19	DIODE 1SS119	
C142	1-102-525-00	CERAMIC 68PF	5% 50V	D151	8-719-911-19	DIODE 1SS119	
C143	1-101-004-00	CERAMIC 0.01MF	50V	D152	8-719-911-19	DIODE 1SS119	
C144	1-123-286-00	ELECT 0.33MF	20% 50V	D153	8-719-911-19	DIODE 1SS119	
C145	1-102-961-00	CERAMIC 27PF	5% 50V	D154	8-719-911-19	DIODE 1SS119	
C146	1-123-380-00	ELECT 1MF	20% 50V	D170	8-719-911-19	DIODE 1SS119	
C147	1-130-072-00	FILM 0.022MF	2% 100V	D171	8-719-911-19	DIODE 1SS119	
C148	1-110-186-81	MYLAR 0.0047MF	10% 400V				
C150	1-102-520-00	CERAMIC 39PF	5% 50V				
C151	1-101-004-00	CERAMIC 0.01MF	50V				

A

Ref.No. Part No. Description

IC

IC101 8-759-909-08 IC TDA3541
 IC102 8-759-909-54 IC TDA2546A
 IC103 8-759-602-16 IC M54572L
 IC151 8-759-007-54 IC TDA4940
 IC152 8-759-007-55 IC TDA4944

COIL

L102 1-404-476-00 COIL, IF
 L103 1-408-399-00 MICRO INDUCTOR 1.5UH
 L104 1-408-406-00 MICRO INDUCTOR 5.6UH
 L105 1-404-477-00 COIL, IF
 L106 1-404-493-00 COIL
 L107 1-404-493-00 COIL
 L109 1-408-409-00 MICRO INDUCTOR 10UH
 L110 1-408-406-00 MICRO INDUCTOR 5.6UH
 L111 1-404-493-00 COIL
 L113 1-408-226-00 MICRO INDUCTOR 82UH
 L115 1-408-405-00 MICRO INDUCTOR 4.7UH
 L116 1-408-406-00 MICRO INDUCTOR 5.6UH
 L117 1-408-428-00 MICRO INDUCTOR 390UH
 L170 1-408-247-00 MICRO INDUCTOR 33MMH
 L171 1-408-408-00 MICRO INDUCTOR 8.2UH

TRANSISTOR

Q101 8-729-245-83 TRANSISTOR 2SC2458
 Q102 8-729-105-47 TRANSISTOR 2SC2026-L
 Q103 8-729-204-83 TRANSISTOR 2SA1048GR
 Q104 8-729-900-36 TRANSISTOR DTC124ES
 Q105 8-729-204-83 TRANSISTOR 2SA1048GR
 Q151 8-729-245-83 TRANSISTOR 2SC2458
 Q152 8-729-245-83 TRANSISTOR 2SC2458
 Q153 8-729-245-83 TRANSISTOR 2SC2458
 Q154 8-729-900-89 TRANSISTOR DTC144ES
 Q155 8-729-245-83 TRANSISTOR 2SC2458
 Q156 8-729-245-83 TRANSISTOR 2SC2458
 Q157 8-729-900-89 TRANSISTOR DTC144ES
 Q158 8-729-900-89 TRANSISTOR DTC144ES
 Q172 8-729-204-83 TRANSISTOR 2SA1048GR
 Q173 8-729-245-83 TRANSISTOR 2SC2458
 Q174 8-729-245-83 TRANSISTOR 2SC2458
 Q175 8-729-245-83 TRANSISTOR 2SC2458

RESISTOR

R101 1-215-738-91 METAL 1K 5% 1/6W
 R102 1-215-738-91 METAL 1K 5% 1/6W
 R105 1-215-762-91 METAL 10K 5% 1/6W
 R106 1-215-750-91 METAL 3.3K 5% 1/6W
 R107 1-215-750-91 METAL 3.3K 5% 1/6W
 R108 1-215-798-91 METAL 330K 5% 1/6W
 R109 1-215-746-91 METAL 2.2K 5% 1/6W
 R110 1-215-746-91 METAL 2.2K 5% 1/6W
 R111 1-215-754-91 METAL 4.7K 5% 1/6W
 R112 1-215-744-91 METAL 1.8K 5% 1/6W

Remark Ref.No. Part No. Description

R113 1-215-752-91 METAL 3.9K 5% 1/6W
 R114 1-215-722-91 METAL 220 5% 1/6W
 R115 1-215-742-91 METAL 1.5K 5% 1/6W
 R116 1-215-730-91 METAL 470 5% 1/6W
 R117 1-215-710-91 METAL 68 5% 1/6W

R118 1-215-724-91 METAL 270 5% 1/6W
 R119 1-215-730-91 METAL 470 5% 1/6W
 R120 1-215-778-91 METAL 47K 5% 1/6W
 R122 1-215-762-91 METAL 10K 5% 1/6W
 R125 1-215-736-91 METAL 820 5% 1/6W

R126 1-215-736-91 METAL 820 5% 1/6W
 R127 1-215-736-91 METAL 820 5% 1/6W
 R131 1-215-778-91 METAL 47K 5% 1/6W
 R132 1-215-762-91 METAL 10K 5% 1/6W
 R134 1-215-782-91 METAL 68K 5% 1/6W

R135 1-215-780-91 METAL 56K 5% 1/6W
 R136 1-215-770-91 METAL 22K 5% 1/6W
 R137 1-215-770-91 METAL 22K 5% 1/6W
 R140 1-215-738-91 METAL 1K 5% 1/6W
 R141 1-215-766-91 METAL 15K 5% 1/6W

R142 1-215-786-91 METAL 100K 5% 1/6W
 R143 1-215-786-91 METAL 100K 5% 1/6W
 R144 1-215-752-91 METAL 3.9K 5% 1/6W
 R145 1-215-752-91 METAL 3.9K 5% 1/6W
 R146 1-215-754-91 METAL 4.7K 5% 1/6W

R151 1-215-736-91 METAL 820 5% 1/6W
 R152 1-215-776-91 METAL 39K 5% 1/6W
 R153 1-215-728-91 METAL 390 5% 1/6W
 R154 1-215-714-91 METAL 100 5% 1/6W
 R155 1-215-770-91 METAL 22K 5% 1/6W

R156 1-215-784-91 METAL 82K 5% 1/6W
 R157 1-215-754-91 METAL 4.7K 5% 1/6W
 R158 1-215-754-91 METAL 4.7K 5% 1/6W
 R159 1-215-754-91 METAL 4.7K 5% 1/6W
 R160 1-215-754-91 METAL 4.7K 5% 1/6W

R161 1-215-738-91 METAL 1K 5% 1/6W
 R162 1-215-738-91 METAL 1K 5% 1/6W
 R166 1-215-750-91 METAL 3.3K 5% 1/6W
 R167 1-215-774-91 METAL 33K 5% 1/6W
 R168 1-215-770-91 METAL 22K 5% 1/6W

R172 1-215-720-91 METAL 180 5% 1/6W
 R173 1-215-778-91 METAL 47K 5% 1/6W
 R174 1-215-796-91 METAL 270K 5% 1/6W
 R175 1-215-772-91 METAL 27K 5% 1/6W
 R176 1-215-738-91 METAL 1K 5% 1/6W

R177 1-215-762-91 METAL 10K 5% 1/6W
 R178 1-215-762-91 METAL 10K 5% 1/6W
 R179 1-215-762-91 METAL 10K 5% 1/6W
 R180 1-215-738-91 METAL 1K 5% 1/6W
 R181 1-215-740-91 METAL 1.2K 5% 1/6W

A C

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R182	1-215-746-91	METAL 2.2K 5% 1/6W		D704	8-719-911-19	DIODE 1SS119	
R183	1-215-738-91	METAL 1K 5% 1/6W		D705	8-719-911-19	DIODE 1SS119	
R184	1-215-724-91	METAL 270 5% 1/6W		D706	8-719-911-19	DIODE 1SS119	
R185	1-215-726-91	METAL 330 5% 1/6W		D707	8-719-911-19	DIODE 1SS119	
R188	1-215-766-91	METAL 15K 5% 1/6W		D708	8-719-911-19	DIODE 1SS119	
R191	1-215-732-91	METAL 560 5% 1/6W		D709	8-719-911-19	DIODE 1SS119	
R192	1-215-732-91	METAL 560 5% 1/6W		D710	8-719-100-68	DIODE RD13E-B2	
R193	1-215-714-91	METAL 100 5% 1/6W		D711	8-719-911-19	DIODE 1SS119	
<u>VARIABLE RESISTOR</u>				<u>TRANSISTOR</u>			
RV101	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		Q701	8-729-255-12	TRANSISTOR 2SC2551	
RV151	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K		Q702	8-729-255-12	TRANSISTOR 2SC2551	
<u>FILTER</u>				Q703	8-729-255-12	TRANSISTOR 2SC2551	
SWF101	1-404-438-00	FILTER, SAW		Q704	8-729-326-11	TRANSISTOR 2SC2611	
<u>TUNER</u>				Q705	8-729-326-11	TRANSISTOR 2SC2611	
TU101	1-463-523-11	TUNER, ET (UHF/VHF) (UV417)		Q706	8-729-326-11	TRANSISTOR 2SC2611	
*****				Q707	8-729-200-17	TRANSISTOR 2SA1091	
*A-1330-626-A C BOARD, COMPLETE				Q708	8-729-200-17	TRANSISTOR 2SA1091	
*****				Q709	8-729-200-17	TRANSISTOR 2SA1091	
1-526-086-XX SOCKET, CRT				Q710	8-729-204-83	TRANSISTOR 2SA1048GR	
<u>CONNECTOR</u>				Q711	8-729-204-83	TRANSISTOR 2SA1048GR	
C1	*1-508-765-00	3P PLUG (M)		Q712	8-729-204-83	TRANSISTOR 2SA1048GR	
C3	*1-564-880-31	PLUG, CONNECTOR 3P		Q713	8-729-204-83	TRANSISTOR 2SA1048GR	
C4	*1-564-883-11	PLUG, CONNECTOR 6P		Q714	8-729-900-36	TRANSISTOR DTC124ES	
C5	*1-508-766-00	4P PLUG (M)		<u>RESISTOR</u>			
<u>CAPACITOR</u>				R701	1-215-899-11	METAL OXIDE 15K 5% 2W F	
C701	1-102-116-00	CERAMIC 680PF 10% 50V		R702	1-215-899-11	METAL OXIDE 15K 5% 2W F	
C702	1-102-116-00	CERAMIC 680PF 10% 50V		R703	1-215-899-11	METAL OXIDE 15K 5% 2W F	
C703	1-102-116-00	CERAMIC 680PF 10% 50V		R704	1-247-131-00	CARBON 1K 5% 1/4W F	
C704	1-102-936-00	CERAMIC 3PF 0.25PF 50V		R705	1-247-131-00	CARBON 1K 5% 1/4W F	
C705	1-102-936-00	CERAMIC 3PF 0.25PF 50V		R706	1-247-131-00	CARBON 1K 5% 1/4W F	
C706	1-102-936-00	CERAMIC 3PF 0.25PF 50V		R707	1-247-847-00	CARBON 4.7K 5% 1/5W	
C707	1-123-005-00	ELECT 22MF 250V		R708	1-247-847-00	CARBON 4.7K 5% 1/5W	
C708	1-123-333-00	ELECT 100MF 20% 25V		R709	1-247-847-00	CARBON 4.7K 5% 1/5W	
C709	1-102-820-00	CERAMIC 330PF 5% 50V		R710	1-214-784-00	METAL 200K 1% 1/4W	
C711	1-101-880-00	CERAMIC 47PF 5% 50V		R711	1-214-784-00	METAL 200K 1% 1/4W	
C712	1-101-880-00	CERAMIC 47PF 5% 50V		R712	1-214-784-00	METAL 200K 1% 1/4W	
C713	1-101-880-00	CERAMIC 47PF 5% 50V		R713	1-247-853-00	CARBON 8.2K 5% 1/5W	
C715	1-123-330-00	ELECT 22MF 20% 16V		R714	1-247-853-00	CARBON 8.2K 5% 1/5W	
C741	1-102-030-00	CERAMIC 330PF 10% 500V		R715	1-247-854-00	CARBON 9.1K 5% 1/5W	
C742	1-102-223-00	CERAMIC 0.0047MF 10% 2KV		R716	1-247-725-11	CARBON 10K 5% 1/4W	
<u>DIODE</u>				R717	1-247-725-11	CARBON 10K 5% 1/4W	
D701	8-719-911-19	DIODE 1SS119		R718	1-247-725-11	CARBON 10K 5% 1/4W	
D702	8-719-911-19	DIODE 1SS119		R719	1-247-833-00	CARBON 1.2K 5% 1/5W	
D703	8-719-911-19	DIODE 1SS119		R720	1-247-833-00	CARBON 1.2K 5% 1/5W	
				R721	1-247-833-00	CARBON 1.2K 5% 1/5W	
				R722	1-247-843-00	CARBON 3.3K 5% 1/5W	
				R723	1-247-843-00	CARBON 3.3K 5% 1/5W	
				R724	1-247-843-00	CARBON 3.3K 5% 1/5W	
				R725	1-214-958-00	METAL 560K 1% 1/4W	
				R726	1-214-955-00	METAL 430K 1% 1/4W	
				R727	1-214-788-00	METAL 300K 1% 1/4W	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

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D1

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
RV1552	1-228-719-00	RES, ADJ, CERAMIC CARBON 470		C214	1-123-356-00	ELECT 10MF 20% 16V	
RV1553	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K		C215	1-123-356-00	ELECT 10MF 20% 16V	
RV1554	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C216	1-123-356-00	ELECT 10MF 20% 16V	
RV1555	1-228-718-00	RES, ADJ, CERAMIC CARBON 330		C217	1-102-074-00	CERAMIC 0.001MF 10% 50V	
RV1556	1-228-723-00	RES, ADJ, CERAMIC CARBON 4.7K		C218	1-106-208-00	MYLAR 0.033MF 10% 100V	
RV1557	1-228-718-00	RES, ADJ, CERAMIC CARBON 330		C219	1-123-356-00	ELECT 10MF 20% 16V	
RV1559	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K		C220	1-106-212-00	MYLAR 0.047MF 10% 100V	
RV1560	1-228-728-00	RES, ADJ, CERAMIC CARBON 100K		C221	1-108-614-91	MYLAR 0.001MF 10% 100V	
RV1562	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K		C222	1-123-322-00	ELECT 330MF 20% 16V	
THERMISTOR				C223	1-123-380-00	ELECT 1MF 20% 50V	
TH1551	1-800-625-00	THERMISTOR		C224	1-123-380-00	ELECT 1MF 20% 50V	
TH1552	1-806-110-00	THERMISTOR		C225	1-123-322-00	ELECT 330MF 20% 16V	
*****				C226	1-123-330-00	ELECT 22MF 20% 16V	
*****				C227	1-123-330-00	ELECT 22MF 20% 16V	
*****				C228	1-102-945-00	CERAMIC 8PF 1PF 50V	
*A-1345-540-A D BOARD, SUB, COMPLETE				C229	1-102-108-00	CERAMIC 150PF 10% 50V	
*****				C230	1-106-208-00	MYLAR 0.033MF 10% 100V	
CAPACITOR				C231	1-123-333-00	ELECT 100MF 20% 16V	
C001	1-123-307-00	ELECT 100MF 20% 10V		C232	1-123-330-00	ELECT 22MF 20% 16V	
C002	1-123-381-00	ELECT 2.2MF 20% 50V		C233	1-102-114-00	CERAMIC 470PF 10% 50V	
C003	1-102-973-00	CERAMIC 100PF 5% 50V		C234	1-123-379-00	ELECT 0.47MF 20% 50V	
C004	1-108-603-00	MYLAR 0.1MF 5% 50V		C235	1-123-330-00	ELECT 22MF 20% 16V	
C005	1-123-356-00	ELECT 10MF 20% 50V		C236	1-102-114-00	CERAMIC 470PF 10% 50V	
C006	1-102-959-00	CERAMIC 22PF 5% 50V		C237	1-123-379-00	ELECT 0.47MF 20% 50V	
C007	1-102-963-00	CERAMIC 33PF 5% 50V		C238	1-108-603-00	MYLAR 0.1MF 5% 50V	
C008	1-123-356-00	ELECT 10MF 20% 50V		C239	1-108-603-00	MYLAR 0.1MF 5% 50V	
C009	1-102-114-00	CERAMIC 470PF 10% 50V		C240	1-108-603-00	MYLAR 0.1MF 5% 50V	
C010	1-123-369-00	ELECT 4.7MF 20% 25V		C241	1-123-333-00	ELECT 100MF 20% 16V	
C011	1-124-253-00	ELECT 0.47MF 20% 50V		C243	1-123-332-00	ELECT 47MF 20% 16V	
C012	1-101-004-00	CERAMIC 0.01MF 50V		C244	1-102-114-00	CERAMIC 470PF 10% 50V	
C015	1-123-381-00	ELECT 2.2MF 20% 50V		C245	1-102-114-00	CERAMIC 470PF 10% 50V	
C016	1-101-810-00	CERAMIC 100PF 5% 500V		C272	1-108-603-00	MYLAR 0.1MF 5% 50V	
C017	1-123-306-00	ELECT 47MF 20% 10V		C273	1-123-359-00	ELECT 47MF 20% 50V	
C017A	1-123-307-00	ELECT 100MF 20% 10V		C274	1-123-364-00	ELECT 1000MF 20% 50V	
C018	1-106-220-00	MYLAR 0.1MF 10% 100V		C276	1-123-359-00	ELECT 47MF 20% 50V	
C019	1-123-306-00	ELECT 47MF 20% 10V		C277	1-108-603-00	MYLAR 0.1MF 5% 50V	
C020	1-102-112-00	CERAMIC 330PF 10% 50V		C278	1-123-349-00	ELECT 1000MF 20% 35V	
C022	1-161-377-00	CERAMIC 0.0047MF 20% 50V		C279	1-123-343-00	ELECT 33MF 20% 25V	
C026	1-102-074-00	CERAMIC 0.001MF 10% 50V		C280	1-123-349-00	ELECT 1000MF 20% 35V	
C201	1-102-114-00	CERAMIC 470PF 10% 50V		C281	1-123-360-00	ELECT 100MF 20% 50V	
C202	1-102-074-00	CERAMIC 0.001MF 10% 50V		C282	1-101-005-00	CERAMIC 0.022MF 50V	
C203	1-123-380-00	ELECT 1MF 20% 50V		C283	1-101-005-00	CERAMIC 0.022MF 50V	
C204	1-102-114-00	CERAMIC 470PF 10% 50V		C284	1-102-106-00	CERAMIC 100PF 10% 50V	
C205	1-123-379-00	ELECT 0.47MF 20% 50V		C285	1-102-106-00	CERAMIC 100PF 10% 50V	
C206	1-102-074-00	CERAMIC 0.001MF 10% 50V		C288	1-108-630-91	MYLAR 0.022MF 10% 100V	
C207	1-123-380-00	ELECT 1MF 20% 50V		C289	1-108-630-91	MYLAR 0.022MF 10% 100V	
C208	1-123-332-00	ELECT 47MF 20% 16V		C290	1-123-343-00	ELECT 33MF 20% 25V	
C209	1-106-212-00	MYLAR 0.047MF 10% 100V		C291	1-123-343-00	ELECT 33MF 20% 25V	
C210	1-108-614-91	MYLAR 0.001MF 10% 100V		C301	1-102-944-00	CERAMIC 7PF 1PF 50V	
C211	1-123-380-00	ELECT 1MF 20% 50V		C302	1-102-944-00	CERAMIC 7PF 1PF 50V	
C212	1-123-369-00	ELECT 4.7MF 20% 50V		C303	1-102-951-00	CERAMIC 15PF 5% 50V	
C213	1-123-356-00	ELECT 10MF 20% 16V		C304	1-102-816-00	CERAMIC 120PF 5% 50V	
				C311	1-123-323-00	ELECT 470MF 20% 16V	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

D

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
D1	*1-560-288-00	PLUG, CONNECTOR (2.5MM PITCH)		D303	8-719-911-19	DIODE 1SS119	
D3	*1-564-880-31	PLUG, CONNECTOR 3P		D304	8-719-911-19	DIODE 1SS119	
D4	*1-564-885-11	PLUG, CONNECTOR 8P		D305	8-719-911-19	DIODE 1SS119	
D5	*1-508-765-00	3P PLUG (M)		D306	8-719-911-19	DIODE 1SS119	
D6	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D307	8-719-911-19	DIODE 1SS119	
D7	*1-564-883-11	PLUG, CONNECTOR 6P		D308	8-719-911-19	DIODE 1SS119	
D8	*1-564-889-11	PLUG, CONNECTOR 12P		D309	8-719-911-19	DIODE 1SS119	
D10	*1-508-766-00	4P PLUG (M)		D501	8-719-911-19	DIODE 1SS119	
D12	*1-508-786-00	2P PLUG (M)		D503	8-719-924-06	DIODE ERC24-06S	
D14	*1-564-883-11	PLUG, CONNECTOR 6P		D504	8-719-924-06	DIODE ERC24-06S	
D15	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D505	8-719-924-06	DIODE ERC24-06S	
D16	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D506	8-719-911-19	DIODE 1SS119	
D17	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		D507	8-719-924-06	DIODE ERC24-06S	
D18	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P		D551	8-719-911-19	DIODE 1SS119	
D19	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D552	8-719-911-19	DIODE 1SS119	
D20	*1-564-346-00	CONNECTOR, BOARD TO BOARD 18P		D553	8-719-924-06	DIODE ERC24-06S	
D21	*1-560-123-00	PLUG, CONNECTOR (2.5MM PITCH)		D554	8-719-924-06	DIODE ERC24-06S	
D22	*1-560-127-00	PLUG, CONNECTOR (2.5MM PITCH)		D555	8-719-911-19	DIODE 1SS119	
D23	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		D801	8-719-900-26	DIODE ERD29-08J	
D24	*1-508-784-00	1P PLUG		D802	8-719-300-65	DIODE ES1F	
D25	*1-508-784-00	1P PLUG		D803	8-719-924-06	DIODE ERC24-06S	
D26	*1-508-784-00	1P PLUG		D804	8-719-924-06	DIODE ERC24-06S	
D27	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)		D806	8-719-305-15	DIODE GH3F	
D28	*1-508-784-00	1P PLUG		D807	8-719-305-15	DIODE GH3F	
D30	*1-560-290-00	PLUG, CONNECTOR (2.5MM PITCH)					
DY1	*1-508-765-00	3P PLUG (M)					
DY2	*1-508-765-00	3P PLUG (M)					
DY3	*1-508-766-00	4P PLUG (M)					
<u>TRIMMER</u>				<u>IC</u>			
CV301	1-141-181-11	CAP, TRIMMER		IC001	8-759-602-63	IC CX523-113P	
<u>DIODE</u>				IC002	8-759-600-92	IC M58657P	
D001	8-719-911-19	DIODE 1SS119		IC201	8-759-914-76	IC CX20199	
D002	8-719-911-19	DIODE 1SS119		IC202	8-752-006-10	IC CX20061	
D004	8-719-911-19	DIODE 1SS119		IC251	8-749-943-62	IC STK-4362	
D005	8-759-157-40	IC UPC574J			*4-368-684-01	SPRING (L); IC251	
D006	8-719-101-02	DIODE RD30E-B4		IC301	6-066-720-60	IC TDA3562A	
D008	8-719-911-19	DIODE 1SS119		IC551	8-759-915-46	IC TDA2579	
D010	8-719-911-19	DIODE 1SS119			*4-375-717-01	HEAT SINK, IC; IC551	
D061	8-719-100-35	DIODE RD5.6E-B2		<u>MODULE</u>			
D201	8-719-911-19	DIODE 1SS119		IC302	1-235-534-11	CONTROL MODULE, PICTURE	
D205	8-719-100-44	DIODE RD7.5E-B2		<u>COIL</u>			
D206	8-719-911-19	DIODE 1SS119		L001	1-408-425-00	MICRO INDUCTOR 220UH	
D212	8-719-911-19	DIODE 1SS119		L251	1-459-407-00	COIL, FERRITE CHOKE	
D213	8-719-911-19	DIODE 1SS119		L252	1-459-407-00	COIL, FERRITE CHOKE	
D214	8-719-911-19	DIODE 1SS119		L301	1-404-495-00	COIL	
D215	8-719-911-19	DIODE 1SS119		L302	1-408-412-00	MICRO INDUCTOR 18UH	
D216	8-719-911-19	DIODE 1SS119		L304	1-408-408-00	MICRO INDUCTOR 8.2UH	
D217	8-719-911-19	DIODE 1SS119		L306	1-410-260-11	MICRO INDUCTOR 33UH	
D218	8-719-911-19	DIODE 1SS119		L307	1-410-261-11	MICRO INDUCTOR 5.6UH	
D219	8-719-911-19	DIODE 1SS119		L308	1-408-415-00	MICRO INDUCTOR 33UH	
D271	8-719-200-02	DIODE 10E2		L310	1-407-705-00	MICRO INDUCTOR 100UH	
				L801	1-407-365-00	COIL, CHOKE	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
L802	1-421-329-00	COIL, CHOKE		R002	1-247-831-00	CARBON 1K 5% 1/6W	
L803	1-459-125-00	COIL, HORIZONTAL LINEARITY		R003	1-247-831-00	CARBON 1K 5% 1/6W	
L804	1-421-390-00	COIL, FERRITE (PMC)		R004	1-247-815-00	CARBON 220 5% 1/6W	
L805	1-408-239-00	MICRO INDUCTOR 4.7MMH		R005	1-247-815-00	CARBON 220 5% 1/6W	
L806	1-421-329-00	COIL, CHOKE		R006	1-247-815-00	CARBON 220 5% 1/6W	
L808	1-407-365-00	COIL, CHOKE		R007	1-247-815-00	CARBON 220 5% 1/6W	
L809	1-437-090-00	HDT		R008	1-247-815-00	CARBON 220 5% 1/6W	
L810	1-407-365-00	COIL, CHOKE		R009	1-247-815-00	CARBON 220 5% 1/6W	
L891	1-459-338-00	COIL, VAR, FERRITE (PAC)		R010	1-247-815-00	CARBON 220 5% 1/6W	
		TRANSISTOR		R011	1-247-815-00	CARBON 220 5% 1/6W	
Q001	8-729-204-93	TRANSISTOR 2SA1048GR		R012	1-247-799-00	CARBON 47 5% 1/6W	
Q003	8-729-245-83	TRANSISTOR 2SC2458		R013	1-247-815-00	CARBON 220 5% 1/6W	
Q004	8-729-245-83	TRANSISTOR 2SC2458		R014	1-247-847-00	CARBON 4.7K 5% 1/6W	
Q006	8-729-245-83	TRANSISTOR 2SC2458		R015	1-247-847-00	CARBON 4.7K 5% 1/6W	
Q007	8-729-603-50	TRANSISTOR 2SC403SP		R016	1-247-721-11	CARBON 4.7K 5% 1/4W	
Q008	8-729-245-83	TRANSISTOR 2SC2458		R017	1-247-713-11	CARBON 1K 5% 1/4W	
Q009	8-729-245-83	TRANSISTOR 2SC2458		R018	1-247-831-00	CARBON 1K 5% 1/6W	
Q011	8-729-245-83	TRANSISTOR 2SC2458		R021	1-247-859-00	CARBON 15K 5% 1/6W	
Q201	8-729-245-83	TRANSISTOR 2SC2458		R022	1-247-859-00	CARBON 15K 5% 1/6W	
Q206	8-729-245-83	TRANSISTOR 2SC2458		R023	1-247-807-00	CARBON 100 5% 1/6W	
Q207	8-729-204-83	TRANSISTOR 2SA1048GR		R024	1-247-831-00	CARBON 1K 5% 1/6W	
Q208	8-729-204-83	TRANSISTOR 2SA1048GR		R025	1-247-863-00	CARBON 22K 5% 1/6W	
Q301	8-729-245-83	TRANSISTOR 2SC2458		R026	1-247-859-00	CARBON 15K 5% 1/6W	
Q309	8-729-245-83	TRANSISTOR 2SC2458		R027	1-247-708-11	CARBON 470 5% 1/4W	
Q310	8-729-245-83	TRANSISTOR 2SC2458		R028	1-247-163-00	CARBON 22K 5% 1/4W	
Q311	8-729-245-83	TRANSISTOR 2SC2458		R029	1-247-863-00	CARBON 22K 5% 1/6W	
Q312	8-729-245-83	TRANSISTOR 2SC2458		R030	1-247-163-00	CARBON 22K 5% 1/4W	
Q313	8-729-245-83	TRANSISTOR 2SC2458		R031	1-247-163-00	CARBON 22K 5% 1/4W	
Q502	8-729-204-83	TRANSISTOR 2SA1048GR		R032	1-247-863-00	CARBON 22K 5% 1/6W	
Q504	8-729-204-83	TRANSISTOR 2SA1048GR		R033	1-247-863-00	CARBON 22K 5% 1/6W	
Q505	8-729-168-82	TRANSISTOR 2SC2688		R034	1-247-863-00	CARBON 22K 5% 1/6W	
Q506	8-729-169-02	TRANSISTOR 2SC2690A		R035	1-247-863-00	CARBON 22K 5% 1/6W	
	4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q506		R037	1-247-831-00	CARBON 1K 5% 1/6W	
	*4-342-076-00	HEAT SINK, V.OUT; Q506		R038	1-247-841-00	CARBON 2.7K 5% 1/6W	
Q507	8-729-122-02	TRANSISTOR 2SA1220A		R039	1-247-807-00	CARBON 100 5% 1/6W	
	4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q507		R040	1-247-863-00	CARBON 22K 5% 1/6W	
Q508	8-729-195-82	TRANSISTOR 2SC2958		R041	1-247-867-00	CARBON 33K 5% 1/6W	
Q510	8-729-245-83	TRANSISTOR 2SC2458		R042	1-247-823-00	CARBON 470 5% 1/6W	
Q511	8-729-245-83	TRANSISTOR 2SC2458		R043	1-247-823-00	CARBON 470 5% 1/6W	
Q512	8-729-900-36	TRANSISTOR DTC124ES		R044	1-247-831-00	CARBON 1K 5% 1/6W	
Q514	8-729-245-83	TRANSISTOR 2SC2458		R045	1-247-713-11	CARBON 1K 5% 1/4W	
Q551	8-729-177-43	TRANSISTOR 2SD774		R046	1-247-847-00	CARBON 4.7K 5% 1/6W	
Q552	8-729-374-02	TRANSISTOR 2SB740		R047	1-247-807-00	CARBON 100 5% 1/6W	
Q802	8-729-300-90	TRANSISTOR 2SD1497-06		R048	1-249-437-11	CARBON 47K 5% 1/6W	
	4-365-216-00	SPACER, MICA; Q802		R049	1-216-464-11	METAL OXIDE 18K 5% 2W F	
	*4-368-683-01	SPRING; Q802		R050	1-217-387-00	FUSIBLE 10 5% 1/4W F	
Q803	8-719-801-06	THYRISTOR S6344G		R052	1-247-713-11	CARBON 1K 5% 1/4W	
	4-365-216-00	SPACER, MICA; Q803		R053	1-247-883-00	CARBON 150K 5% 1/6W	
	*4-368-683-01	SPRING; Q803		R054	1-247-815-00	CARBON 220 5% 1/6W	
		RESISTOR		R056	1-247-859-00	CARBON 15K 5% 1/6W	
R001	1-247-831-00	CARBON 1K 5% 1/6W		R057	1-249-429-11	CARBON 10K 5% 1/6W	
				R060	1-247-825-00	CARBON 560 5% 1/6W	
				R201	1-247-125-00	CARBON 560 5% 1/4W	

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R202	1-247-125-00	CARBON	560 5% 1/4W	R285	1-247-847-00	CARBON	4.7K 5% 1/6W
R203	1-247-721-11	CARBON	4.7K 5% 1/4W	R286	1-247-849-00	CARBON	5.6K 5% 1/6W
R204	1-247-721-11	CARBON	4.7K 5% 1/4W	R287	1-247-879-00	CARBON	100K 5% 1/6W
R205	1-247-153-00	CARBON	8.2K 5% 1/4W	R288	1-247-881-00	CARBON	120K 5% 1/6W
R206	1-247-869-00	CARBON	39K 5% 1/6W	R289	1-249-437-11	CARBON	47K 5% 1/6W
R207	1-247-143-00	CARBON	3.3K 5% 1/4W	R297	1-247-823-00	CARBON	470 5% 1/6W
R208	1-247-843-00	CARBON	3.3K 5% 1/6W	R298	1-247-823-00	CARBON	470 5% 1/6W
R209	1-249-429-11	CARBON	10K 5% 1/6W	R301	1-247-135-00	CARBON	1.5K 5% 1/4W
R210	1-249-429-11	CARBON	10K 5% 1/6W	R302	1-249-419-11	CARBON	1.5K 5% 1/6W
R211	1-247-135-00	CARBON	1.5K 5% 1/4W	R303	1-247-816-00	CARBON	240 5% 1/6W
R213	1-247-895-00	CARBON	470K 5% 1/6W	R304	1-249-429-11	CARBON	10K 5% 1/6W
R214	1-249-419-11	CARBON	1.5K 5% 1/6W	R305	1-247-823-00	CARBON	470 5% 1/6W
R216	1-249-429-11	CARBON	10K 5% 1/6W	R306	1-247-823-00	CARBON	470 5% 1/6W
R217	1-247-831-00	CARBON	1K 5% 1/6W	R307	1-247-827-00	CARBON	680 5% 1/6W
R218	1-247-887-00	CARBON	220K 5% 1/6W	R308	1-247-847-00	CARBON	4.7K 5% 1/6W
R219	1-247-887-00	CARBON	220K 5% 1/6W	R319	1-247-713-11	CARBON	1K 5% 1/4W
R220	1-247-104-00	CARBON	75 5% 1/4W	R323	1-247-837-00	CARBON	1.8K 5% 1/6W
R221	1-247-708-11	CARBON	470 5% 1/4W	R324	1-247-825-00	CARBON	560 5% 1/6W
R222	1-247-873-00	CARBON	56K 5% 1/6W	R325	1-246-463-00	CARBON	390 5% 1/4W
R228	1-247-873-00	CARBON	56K 5% 1/6W	R326	1-247-877-00	CARBON	82K 5% 1/6W
R229	1-247-823-00	CARBON	470 5% 1/6W	R332	1-247-825-00	CARBON	560 5% 1/6W
R230	1-247-831-00	CARBON	1K 5% 1/6W	R333	1-247-849-00	CARBON	5.6K 5% 1/6W
R231	1-247-821-00	CARBON	390 5% 1/6W	R334	1-247-151-00	CARBON	6.8K 5% 1/4W
R232	1-247-688-11	CARBON	10 5% 1/4W	R335	1-249-437-11	CARBON	47K 5% 1/6W
R233	1-247-823-00	CARBON	470 5% 1/6W	R336	1-249-429-11	CARBON	10K 5% 1/6W
R234	1-247-877-00	CARBON	82K 5% 1/6W	R337	1-249-429-11	CARBON	10K 5% 1/6W
R235	1-247-903-00	CARBON	1M 5% 1/6W	R338	1-247-831-00	CARBON	1K 5% 1/6W
R236	1-249-429-11	CARBON	10K 5% 1/6W	R339	1-247-831-00	CARBON	1K 5% 1/6W
R237	1-249-421-11	CARBON	2.2K 5% 1/6W	R340	1-247-821-00	CARBON	390 5% 1/6W
R238	1-247-837-00	CARBON	1.8K 5% 1/6W	R341	1-247-821-00	CARBON	390 5% 1/6W
R239	1-249-421-11	CARBON	2.2K 5% 1/6W	R342	1-247-903-00	CARBON	1M 5% 1/6W
R240	1-249-429-11	CARBON	10K 5% 1/6W	R343	1-247-879-00	CARBON	100K 5% 1/6W
R242	1-249-429-11	CARBON	10K 5% 1/6W	R344	1-247-149-00	CARBON	5.6K 5% 1/4W
R243	1-247-861-00	CARBON	18K 5% 1/6W	R345	1-247-882-00	CARBON	130K 5% 1/6W
R244	1-249-460-11	CARBON	15K 5% 1/4W	R347	1-247-825-00	CARBON	560 5% 1/6W
R245	1-249-437-11	CARBON	47K 5% 1/6W	R348	1-247-827-00	CARBON	680 5% 1/6W
R247	1-247-137-00	CARBON	1.8K 5% 1/4W	R349	1-247-849-00	CARBON	5.6K 5% 1/6W
R248	1-247-713-11	CARBON	1K 5% 1/4W	R350	1-247-853-00	CARBON	8.2K 5% 1/6W
R249	1-247-137-00	CARBON	1.8K 5% 1/4W	R351	1-247-863-00	CARBON	22K 5% 1/6W
R251	1-247-807-00	CARBON	100 5% 1/6W	R352	1-247-837-00	CARBON	1.8K 5% 1/6W
R252	1-247-807-00	CARBON	100 5% 1/6W	R353	1-247-843-00	CARBON	3.3K 5% 1/6W
R253	1-247-807-00	CARBON	100 5% 1/6W	R354	1-247-883-00	CARBON	150K 5% 1/6W
R254	1-247-807-00	CARBON	100 5% 1/6W	R356	1-247-857-00	CARBON	12K 5% 1/6W
R255	1-247-143-00	CARBON	3.3K 5% 1/4W	R357	1-247-849-00	CARBON	5.6K 5% 1/6W
R256	1-247-143-00	CARBON	3.3K 5% 1/4W	R358	1-247-861-00	CARBON	18K 5% 1/6W
R257	1-247-104-00	CARBON	75 5% 1/4W	R359	1-247-859-00	CARBON	15K 5% 1/6W
R278	1-217-387-00	FUSIBLE	10 5% 1/4W F	R360	1-246-517-00	CARBON	68K 5% 1/4W
R279	1-217-387-00	FUSIBLE	10 5% 1/4W F	R362	1-247-717-11	CARBON	2.2K 5% 1/6W
R280	1-247-879-00	CARBON	100K 5% 1/6W	R364	1-249-421-11	CARBON	2.2K 5% 1/6W
R281	1-247-849-00	CARBON	5.6K 5% 1/6W	R365	1-247-857-00	CARBON	12K 5% 1/6W
R282	1-247-847-00	CARBON	4.7K 5% 1/6W	R366	1-247-717-11	CARBON	2.2K 5% 1/4W
R283	1-247-713-11	CARBON	1K 5% 1/4W	R367	1-247-815-00	CARBON	220 5% 1/6W
R284	1-247-107-00	CARBON	100 5% 1/4W F	R368	1-247-815-00	CARBON	220 5% 1/6W

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Ref.No.	Part No.	Description	Remark			Ref.No.	Part No.	Description	Remark		
R369	1-247-815-00	CARBON	220	5%	1/6W	R547	1-212-990-00	FUSIBLE	220	5%	1/2W F
R370	1-247-708-11	CARBON	470	5%	1/4W	R548	1-216-350-11	METAL OXIDE	1.2	5%	1W F
R371	1-247-807-00	CARBON	100	5%	1/6W	R549	1-247-807-00	CARBON	100	5%	1/8W F
R373	1-247-713-11	CARBON	1K	5%	1/4W	R550	1-246-537-00	CARBON	470K	5%	1/4W
R376	1-246-507-00	CARBON	27K	5%	1/4W	R551	1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R377	1-246-507-00	CARBON	27K	5%	1/4W	R552	1-217-383-00	FUSIBLE	4.7	5%	1/4W F
R378	1-247-861-00	CARBON	18K	5%	1/6W	R553	1-210-859-00	CARBON	1.2	5%	1/8W F
R379	1-247-864-00	CARBON	24K	5%	1/6W	R554	1-247-847-00	CARBON	4.7K	5%	1/6W
R380	1-247-877-00	CARBON	82K	5%	1/6W	R555	1-249-421-11	CARBON	2.2K	5%	1/6W
R382	1-247-831-00	CARBON	1K	5%	1/6W	R556	1-216-350-11	METAL OXIDE	1.2	5%	1W F
R383	1-247-831-00	CARBON	1K	5%	1/6W	R557	1-247-819-00	CARBON	330	5%	1/6W
R385	1-247-841-00	CARBON	2.7K	5%	1/6W	R558	1-247-895-00	CARBON	470K	5%	1/6W
R386	1-247-841-00	CARBON	2.7K	5%	1/6W	R559	1-247-143-00	CARBON	3.3K	5%	1/4W
R387	1-247-841-00	CARBON	2.7K	5%	1/6W	R560	1-249-421-11	CARBON	2.2K	5%	1/6W
R390	1-247-173-00	CARBON	56K	5%	1/4W	R571	1-247-889-00	CARBON	270K	5%	1/6W
R504	1-247-841-00	CARBON	2.7K	5%	1/6W	R572	1-247-879-00	CARBON	100K	5%	1/6W
R505	1-247-843-00	CARBON	3.3K	5%	1/6W	R573	1-247-903-00	CARBON	1M	5%	1/6W
R506	1-247-833-00	CARBON	1.2K	5%	1/6W	R574	1-247-903-00	CARBON	1M	5%	1/6W
R507	1-247-831-00	CARBON	1K	5%	1/6W	R575	1-247-177-00	CARBON	82K	5%	1/4W
R508	1-215-461-00	METAL	47K	1%	1/6W	R578	1-247-704-11	CARBON	220	5%	1/4W
R509	1-215-477-00	METAL	220K	1%	1/6W	R591	1-247-725-11	CARBON	10K	5%	1/4W
R510	1-247-851-00	CARBON	6.8K	5%	1/6W	R592	1-247-153-00	CARBON	8.2K	5%	1/4W
R511	1-247-805-00	CARBON	82	5%	1/6W	R593	1-247-847-00	CARBON	4.7K	5%	1/6W
R512	1-247-829-00	CARBON	820	5%	1/6W	R594	1-247-863-00	CARBON	22K	5%	1/6W
R513	1-247-857-00	CARBON	12K	5%	1/6W	R595	1-247-857-00	CARBON	12K	5%	1/6W
R514	1-247-831-00	CARBON	1K	5%	1/6W	R596	1-247-843-00	CARBON	3.3K	5%	1/6W
R515	1-247-700-11	CARBON	100	5%	1/4W	R597	1-247-145-00	CARBON	3.9K	5%	1/4W
R516	1-247-717-11	CARBON	2.2K	5%	1/4W	R598	1-247-849-00	CARBON	5.6K	5%	1/6W
R517	1-246-511-00	CARBON	39K	5%	1/4W	R599	1-247-815-00	CARBON	220	5%	1/6W
R520	1-214-765-00	METAL	33K	1%	1/4W	R801	1-216-345-11	METAL OXIDE	0.47	5%	1W F
R521	1-216-464-11	METAL OXIDE	18K	5%	2W F	R802	1-247-137-00	CARBON	1.8K	5%	1/4W
R522	1-247-883-00	CARBON	150K	5%	1/6W	R803	1-247-803-00	CARBON	68	5%	1/6W
R523	1-247-807-00	CARBON	100	5%	1/8W F	R804	1-215-871-11	METAL OXIDE	2.2K	5%	1W F
R524	1-215-869-11	METAL OXIDE	1K	5%	1W F	R805	1-215-866-11	METAL OXIDE	330	5%	1W F
R525	1-247-795-00	CARBON	33	5%	1/8W F	R806	1-202-838-00	SOLID	100K	10%	1/2W
R526	1-249-421-11	CARBON	2.2K	5%	1/6W	R807	1-202-818-00	SOLID	1K	10%	1/2W
R527	1-247-783-00	CARBON	10	5%	1/8W F	R808	1-202-826-00	SOLID	4.7K	10%	1/2W
R528	1-247-161-00	CARBON	18K	5%	1/4W	R809	1-244-931-00	CARBON	270K	5%	1/2W
R529	1-247-711-11	CARBON	680	5%	1/4W	R810	1-210-859-00	CARBON	1.2	5%	1/8W F
R530	1-247-891-00	CARBON	330K	5%	1/6W	R811	1-249-448-11	CARBON	1.2	5%	1/4W F
R531	1-246-463-00	CARBON	390	5%	1/4W	R812	1-247-270-00	CARBON	18K	5%	1/2W
R532	1-247-143-00	CARBON	3.3K	5%	1/4W	R813	1-215-883-11	METAL OXIDE	33	5%	2W F
R533	1-247-859-00	CARBON	15K	5%	1/6W	R814	1-246-537-00	CARBON	470K	5%	1/4W
R534	1-247-787-00	CARBON	15	5%	1/6W	R815	1-216-455-11	METAL OXIDE	560	5%	2W F
R535	1-247-783-00	CARBON	10	5%	1/6W	R817	1-216-378-11	METAL OXIDE	5.6	5%	2W F
R536	1-216-354-11	METAL OXIDE	2.7	5%	1W F	R820	1-215-884-11	METAL OXIDE	47	5%	2W F
R537	1-247-879-00	CARBON	100K	5%	1/6W	R825	1-215-905-11	METAL OXIDE	10	5%	3W F
R538	1-247-754-11	CARBON	1.5K	5%	1/2W F	R826	1-215-905-11	METAL OXIDE	10	5%	3W F
R539	1-247-877-00	CARBON	82K	5%	1/6W	VARIABLE RESISTOR					
R540	1-246-507-00	CARBON	27K	5%	1/4W	RV301	1-228-720-00	RES, ADJ, CERAMIC CARBON	1K		
R541	1-247-823-00	CARBON	470	5%	1/6W	RV302	1-228-724-00	RES, ADJ, CERAMIC CARBON	10K		
R543	1-247-895-00	CARBON	470K	5%	1/6W	RV303	1-228-725-00	RES, ADJ, CERAMIC CARBON	22K		
R544	1-202-463-92	SOLID	2.2M	10%	1/4W						

KV-2264EC
RM-635

D

H1

H2

J1

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
RV501	1-226-776-00	RES, ADJ, METAL GLAZE 220K		RV403	1-228-578-00	RES, VAR, CARBON 10K	
RV502	1-226-775-00	RES, ADJ, METAL GLAZE 100K		RV404	1-228-578-00	RES, VAR, CARBON 10K	
RV503	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K					
RV558	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K					
		<u>SPARK GAP</u>				<u>SWITCH</u>	
SG801	1-519-063-XX	DISCHARGING GAP		SW401	1-554-118-00	SWITCH, PUSH (1 KEY)	
		<u>TRANSFORMER</u>		SW407	1-553-329-00	SWITCH, PUSH (MONO KEY)	
T301	1-426-121-00	DAT		SW408	1-553-329-00	SWITCH, PUSH (MONO KEY)	
T801	1-437-090-00	HDT		SW411	1-553-329-00	SWITCH, PUSH (MONO KEY)	
T802	1-439-331-41	TRANSFORMER ASSY, FLYBACK		SW412	1-553-329-00	SWITCH, PUSH (MONO KEY)	
T891	1-421-245-11	TRANSFORMER, PZN CUSHION		SW413	1-553-329-00	SWITCH, PUSH (MONO KEY)	
		<u>THERMISTOR</u>		SW414	1-553-329-00	SWITCH, PUSH (MONO KEY)	
TH501	1-806-213-00	THERMISTOR		SW415	1-553-329-00	SWITCH, PUSH (MONO KEY)	
		<u>CRYSTAL</u>		SW416	1-553-329-00	SWITCH, PUSH (MONO KEY)	
X301	1-527-789-00	VINRATOR, CRYSTAL		SW417	1-553-329-00	SWITCH, PUSH (MONO KEY)	
		*****		SW418	1-553-329-00	SWITCH, PUSH (MONO KEY)	
		*1-612-976-21 H1 BOARD		SW419	1-553-329-00	SWITCH, PUSH (MONO KEY)	
		*****				*****	
		<u>CAPACITOR</u>				*1-612-977-21 H2 BOARD	
C401	1-123-617-00	ELECT 10MF 20% 16V				*****	
C403	1-123-616-00	ELECT 4.7MF 20% 25V				*4-373-201-01 COVER, LED HOLDER	
		<u>DIODE</u>				*4-373-202-01 HOLDER, LED	
D401	8-719-911-19	DIODE 1SS119				<u>DIODE</u>	
D402	8-719-911-19	DIODE 1SS119		LED401	8-719-908-08	DIODE SL-1274	
D403	8-719-911-19	DIODE 1SS119			*1-526-638-00	SOCKET, IC (9P); LED401	
D404	8-719-911-19	DIODE 1SS119		LED402	8-719-903-11	DIODE GL-9PR24	
D405	8-719-911-19	DIODE 1SS119		LED404	8-719-903-11	DIODE GL-9PR24	
D406	8-719-911-19	DIODE 1SS119		LED405	8-719-903-11	DIODE GL-9PR24	
D407	8-719-911-19	DIODE 1SS119		LED406	8-719-903-11	DIODE GL-9PR24	
D409	8-719-911-19	DIODE 1SS119				<u>RESISTOR</u>	
		<u>CONNECTOR</u>		R407	1-247-813-00	CARBON 180 5% 1/6W	
H4	*1-560-278-00	PLUG, CONNECTOR 9P		R412	1-247-813-00	CARBON 180 5% 1/6W	
H5	*1-560-278-00	PLUG, CONNECTOR 6P				*****	
H6	*1-560-278-00	PLUG, CONNECTOR 8P				*1-614-116-11 J1 BOARD	
		<u>RESISTOR</u>				*****	
R401	1-247-847-00	CARBON 4.7K 5% 1/6W				<u>JACK</u>	
R402	1-247-847-00	CARBON 4.7K 5% 1/6W		CN901	1-507-657-00	JACK (LARGE TYPE)	
R405	1-247-849-00	CARBON 5.6K 5% 1/6W				<u>CONNECTOR</u>	
R406	1-247-849-00	CARBON 5.6K 5% 1/6W		J1	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)	
		<u>VARIABLE RESISTOR</u>				<u>RESISTOR</u>	
RV401	1-228-578-00	RES, VAR, CARBON 10K		R901	1-247-708-11	CARBON 470 5% 1/4W	
RV402	1-228-578-00	RES, VAR, CARBON 10K		R902	1-247-708-11	CARBON 470 5% 1/4W	

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref.No.	Part No.	Description	Remark
MISCELLANEOUS *****			
	1-246-513-00	RES, CARBON 47K	
	△ 1-426-042-42	COIL, DEGAUSSING	
	△ 1-451-242-31	DEFLECTION YOKE (SY-88S)	
	1-452-032-00	MAGNET, DISK; 10MM Ø	
	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
	1-452-146-21	MAGNET, BMC	
	△ 1-452-316-11	CRT NECK ASSY (NA291)	
	1-543-179-00	CORE, RING	
	△ 1-551-270-31	CORD, POWER	
	△ 1-557-098-11	SOCKET, PAL ANTENNA (WITH CABLE)	
RV901	△ 1-226-733-13	RESISTOR ASSY, HIGH-VOLTAGE	
S901	△ 1-554-762-11	SWITCH, PUSH (AC POWER)(1 KEY)	
SP901	1-503-417-11	SPEAKER (WOOFER)	
SP902	1-503-314-11	SPEAKER (TWEETER)	
SP903	1-503-417-11	SPEAKER (WOOFER)	
SP904	1-503-314-11	SPEAKER (TWEETER)	
V901	△ 8-737-451-05	CRT (A53JBW02X)	

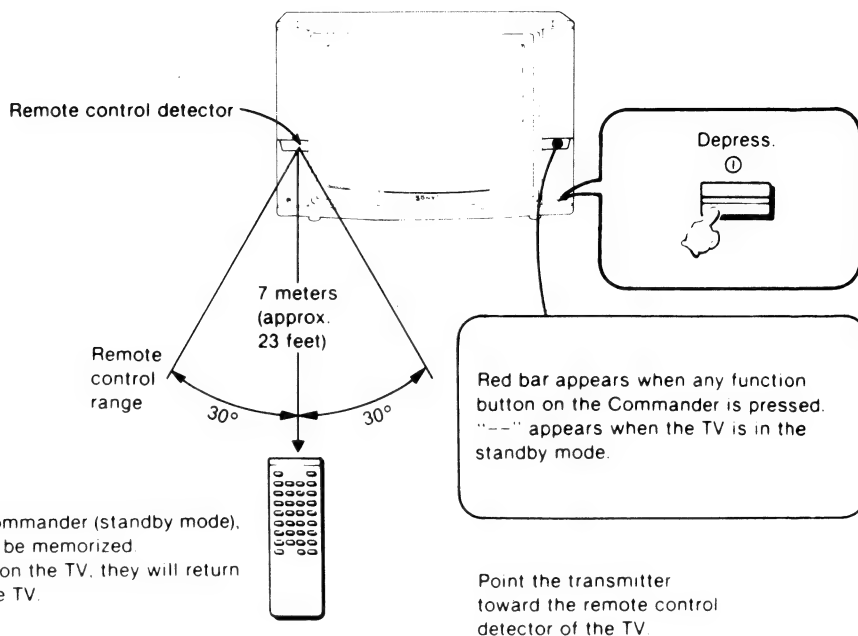
ACCESSORIES AND PACKING MATERIALS

Part No.	Description	Remark
A-1470-625-A	COMMANDER ASSY (RM-635)	
4-312-246-00	BAG, PROTECTION	
*4-373-282-01	CUSHION (UPPER) (ASSY)	
*4-373-283-01	INDIVIDUAL CARTON	
*4-373-286-01	CUSHION (LOWER)	
4-482-107-11	MANUAL, INSTRUCTION	
4-482-107-81	MANUAL, INSTRUCTION	

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.

SECTION 5 REMOTE COMMANDER

5-1. REMOTE TV OPERATION



If the TV is turned off with the Remote Commander (standby mode), the picture, color and sound settings will be memorized. If the TV is turned off with the ① switch on the TV, they will return to the levels fixed with the controls of the TV.

FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

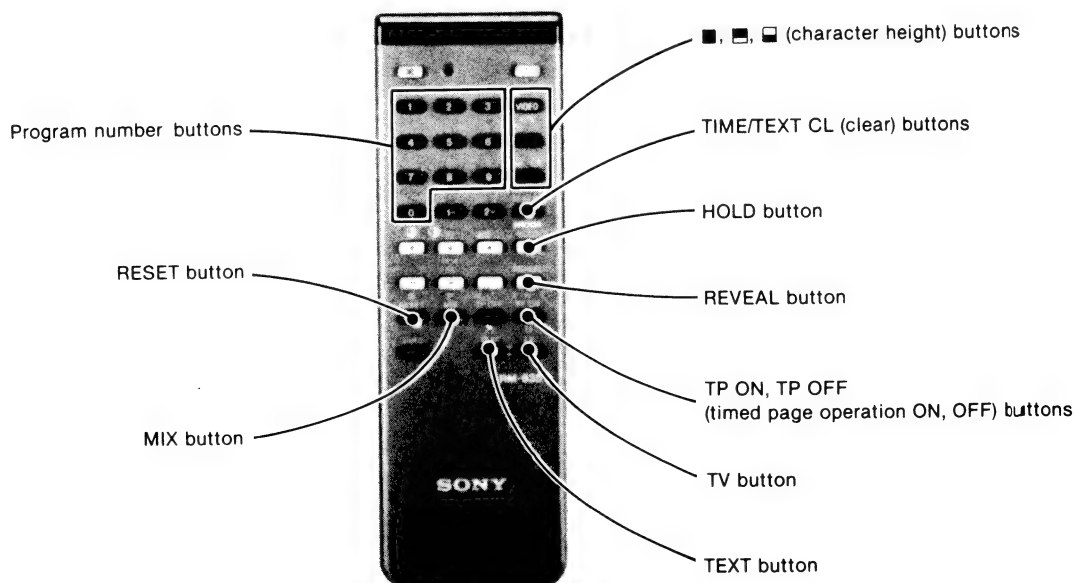
Each button has different functions for normal TV, teletext and VTR operations. Functions for operating the TV are indicated **in white or black**. Functions for operating the video tape recorder* are indicated **in brown**.

Functions for teletext operation using the optional OPK-203 teletext adaptor are indicated **in green**.

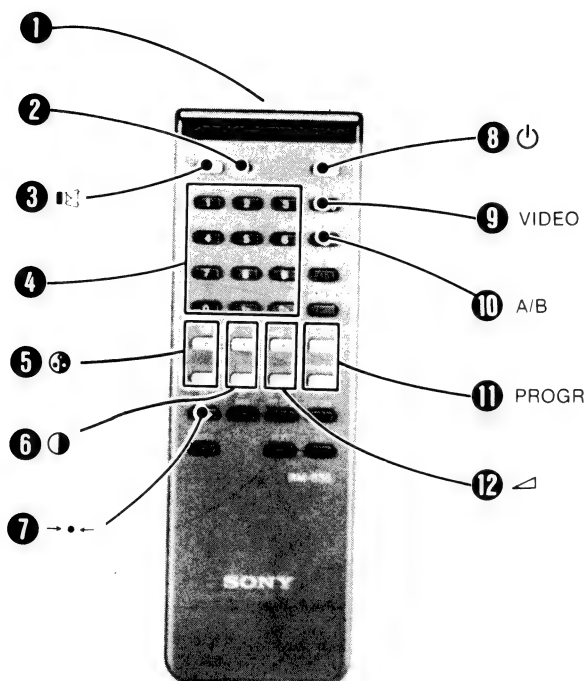
* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.

Buttons used for teletext operations

The following functions are for operating the TV as a teletext display by installing the optional Sony OPK-203 teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.



Buttons used for normal TV operation



1 Transmitter

Point towards the remote control detector.

2 Pilot lamp

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

3 (sound mute) button

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

4 Program number buttons

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button.

For programs 10 through 19, press the [1-] button (the tens-digit "1" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example:

for program 10, press [1-] and [0].
for program 11, press [1-] and [1].

For programs 20 to 29, press the [2-] button and then the single-digit button.

For program 30, press the [0] button.

Note: If you do not press a single-digit button within several seconds after pressing the [1-] or [2-] button, the previous program setting will be automatically recalled.

5 (color) buttons

Adjust the color intensity. Press the + button to increase it, or the - button to decrease it.

6 (picture) buttons

Press the + button to increase the picture contrast, or the - button to decrease it.

7 →•← (normal) button

Press this button once instantly returns the color and contrast settings made with the 5 and 6 buttons on the Commander to the factory preset levels.

8 (standby) switch

Turns the TV in standby mode. Program indicator will show "----". To turn on the TV from the standby mode, press a program number button or →•← button on the Commander.

9 VIDEO button

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

10 A/B button

This button is not usable for this TV.

11 PROGR (program) buttons

Function the same as the PROGR buttons on the TV.

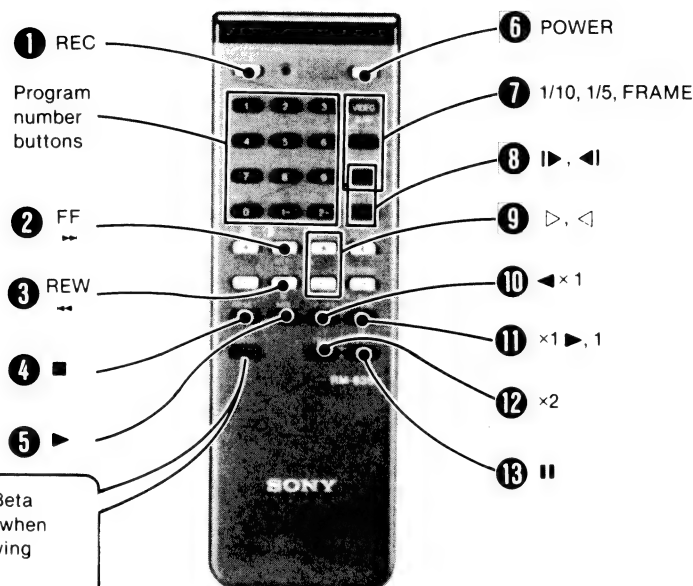
12 (volume) buttons

Press the + button to increase the volume, or the - button to decrease it.

Buttons used for VTR operations

To operate the VTR, point the transmitter toward the remote control detector of the VTR (SL-C9 series) or the tuner timer unit (TT-F1 series).

Always keep this Beta button depressed, when pressing the following buttons.



Buttons which have the same functions for both SL-C9 series and SL-F1E

1 REC (record) button

Press to start recording.

2 FF (fast-forward) button

Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

3 REW (rewind) button

Press to rewind the tape. This button is also used for the reverse picture-search operation.

4 ■ (stop) button

Press to stop the tape.

5 ► (play) button

Press to play the tape back.

6 POWER switch

Press to turn the video tape recorder (and the tuner timer unit) on or off.

12 x2 (double-speed) button

Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.

13 || (pause) button

Functions the same as the || PAUSE button on the SL-C9 series and the PAUSE button on the SL-F1E. To release the pause mode, press this button again.

Buttons used for the SL-C9 series

7 Speed control buttons (1/10, 1/5, FRAME)

Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

8 ► (forward) and ◀ (reverse) buttons

Select the direction of the speed control playback. Function the same as the ► and ◀ buttons of the SPEED CONTROL buttons on the recorder.

11 1 (normal speed) button

Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

Buttons used for the SL-F1E

8 ► (forward slow motion) and ◀ (reverse slow motion) buttons

Function the same as the ► and ◀ SWING SEARCH buttons on the SL-F1E.

10 ◀ x1 (reverse) button and

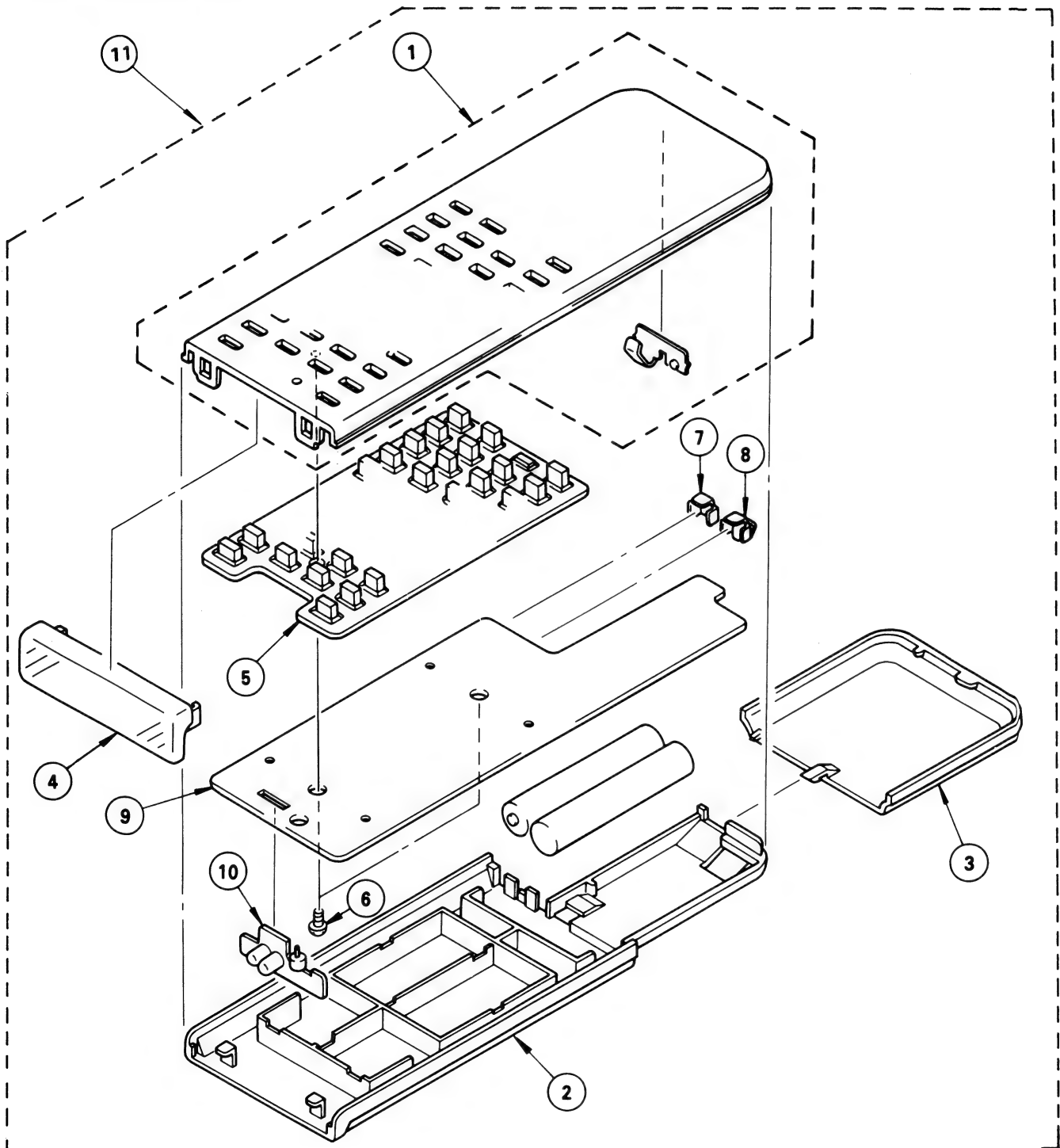
11 x1 ► (forward) button

Function the same as the ◀ and ► SWING SEARCH buttons on the SL-F1E.

5-2. EXPLODED VIEW

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4362-211-0	CASE (UPPER) ASSY, COMMANDER		6	4-356-741-00	SCREW, TAPPING (BIND 2X5)	
2	4-361-948-00	CASE (LOWER), COMMANDER		7	4-348-542-00	TERMINAL (A), BATTERY	
3	4-361-945-00	COVER, BATTERY		8	4-348-543-00	TERMINAL (B), BATTERY	
4	4-361-943-00	PANEL, FRONT, COMMANDER		9	*:1-614-569-11	R1 BOARD	
5	4-361-944-21	SHEET, RUBBER		10	*:1-614-570-11	R2 BOARD	
				11	A-1470-625-A	COMMANDER ASSY (RM-635)	

R1 R2

5-3. ELECTRICAL PARTS LIST

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

CAPACITORS
• MF : μ F, PF : μ F
RESISTORS
• All resistors are in ohms
• F : nonflammable


Ref.No.	Part No.	Description	Remark
	*1-614-569-11	R1 BOARD *****	
	4-348-542-00	TERMINAL (A), BATTERY	
	4-348-543-00	TERMINAL (B), BATTERY	
		<u>CAPACITOR</u>	
C1	1-161-315-00	CERAMIC 220PF 10% 50V	
C2	1-161-315-00	CERAMIC 220PF 10% 50V	
		<u>FILTER</u>	
CF1	1-527-476-00	OSCILLATOR, CERAMIC	
		<u>IC</u>	
IC1	8-759-600-07	IC M50119P	
		<u>TRANSISTOR</u>	
Q1	8-729-378-84	TRANSISTOR 2SD788	


	*1-614-570-11	R2 BOARD *****	
		<u>DIODE</u>	
D1	8-719-900-23	DIODE GL-2AR1	
D2	8-719-107-82	DIODE SE303AY	
		<u>RESISTOR</u>	
R2	1-247-791-00	CARBON 22 5% 1/6W	
R3	1-247-767-00	CARBON 2.2 5% 1/6W	








SONY
TRINITRON® COLOR TV

KV-2264EC
AEP Model

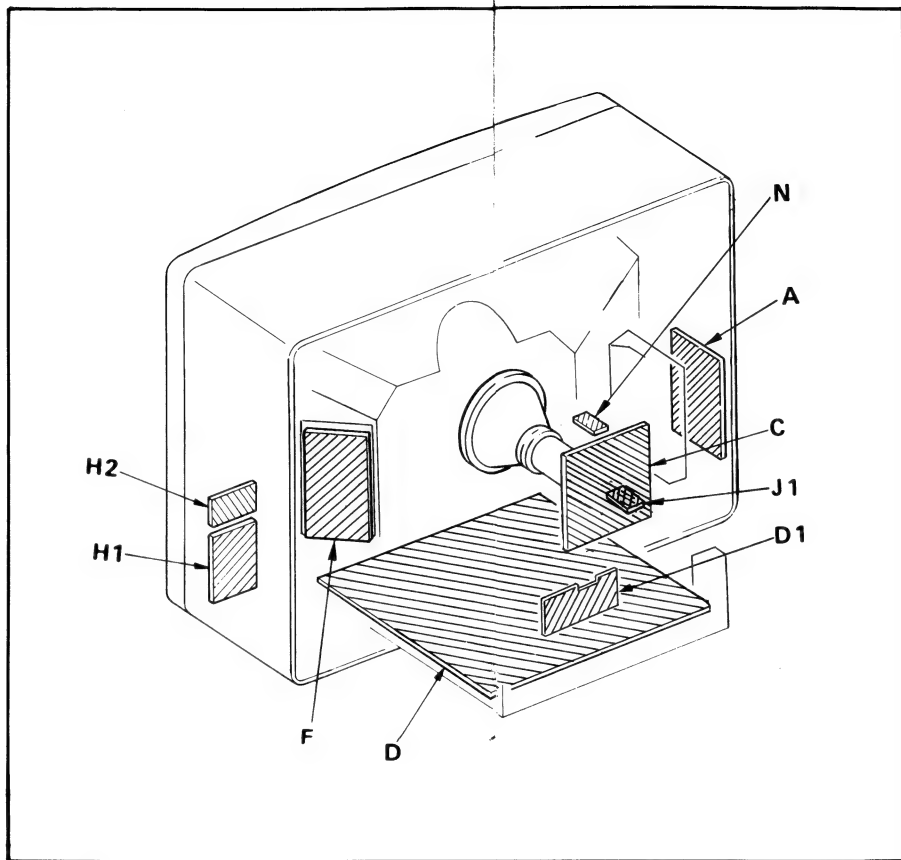
Chassis No. SCC-699A-A
RX CHASSIS

SAFETY-RELATED COMPONENT WARNING !!
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

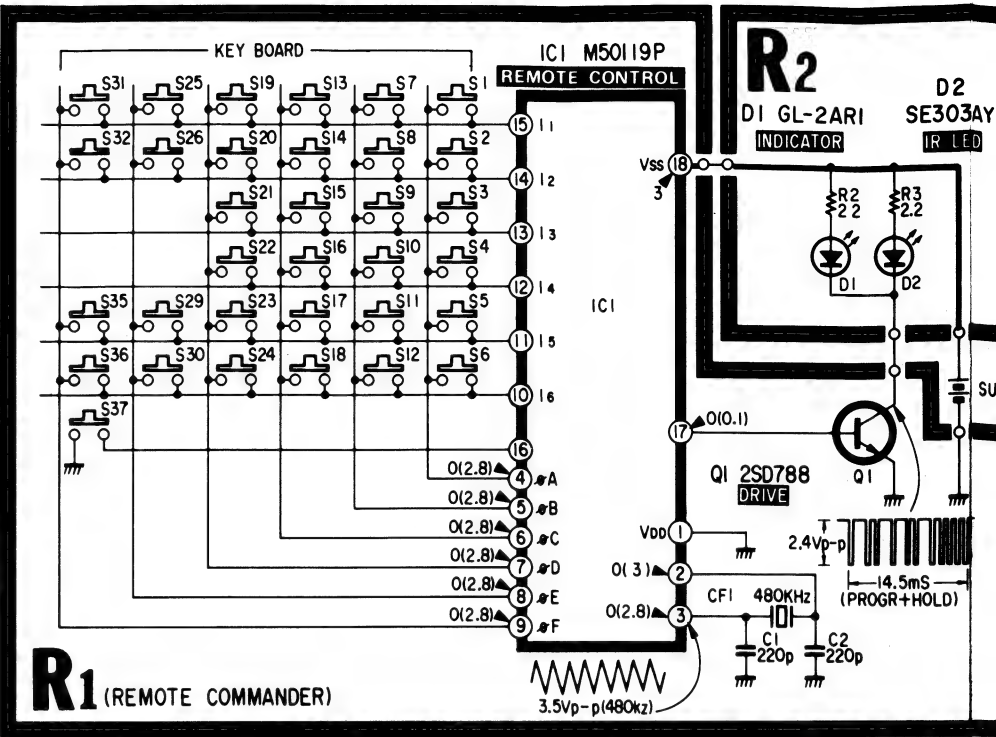
Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

- All capacitors are in μF unless otherwise noted. p: μpF . 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
-  : nonflamable resistor.
-  : fusible resistor
- Δ : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltages are in V.
- Readings are taken with a 10M Ω digital multimeter.
-  : adjustment for repair.
- Voltage variations may be noted due to normal production tolerances.
-  : B + bus.
-  : B - bus.
-  : signal path.
















CIRCUIT BOARDS LOCATION



REMOTE COMMANDER RM-635

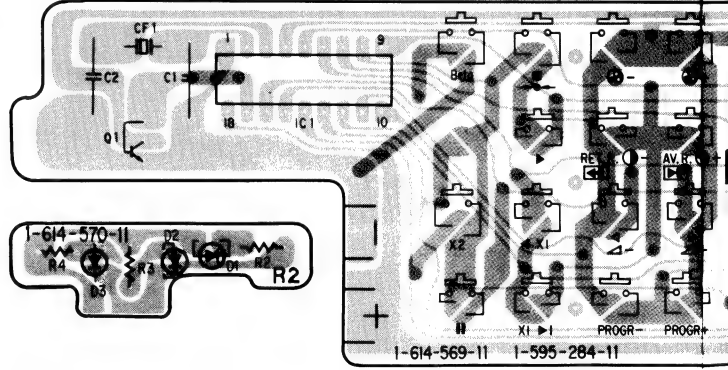


KEY MATRIX


	A	B	C	D	E	F
11	S1 1	S7 2	S13 3	S19 1-	S25 	S31 
12	S2 4	S8 5	S14 6	S20 2-	S26 X2	S32 
13	S3 7	S9 8	S15 9	S21 VIDEO I/O	S27	S33
14	S4 0	S10 X1 	S16  X1	S22 1/5	S28	S34
15	S5 	S11 	S17 	S23 PROGR +	S29 	S35  FRAME
16	S6 	S12 	S18 	S24 PROGR -	S30 	S36 
						S37 Beta

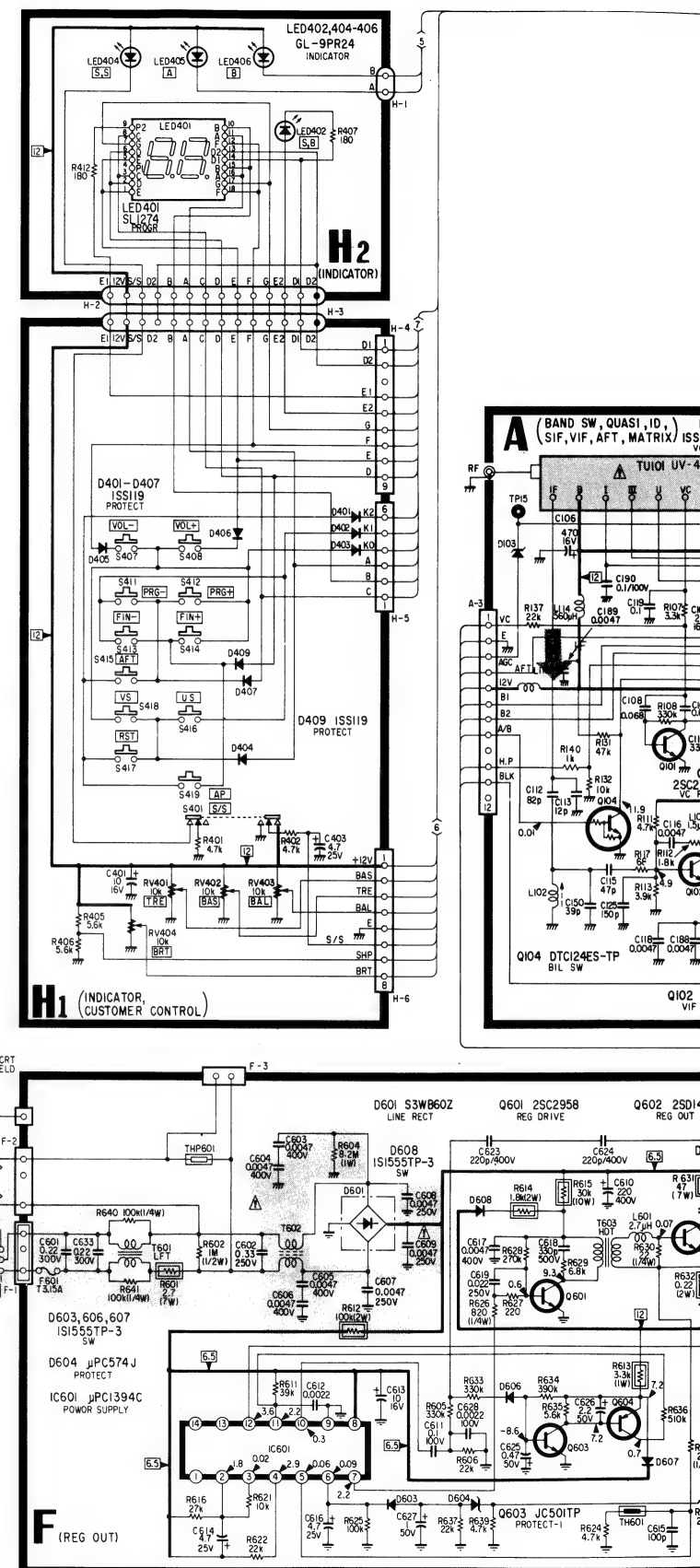
R1

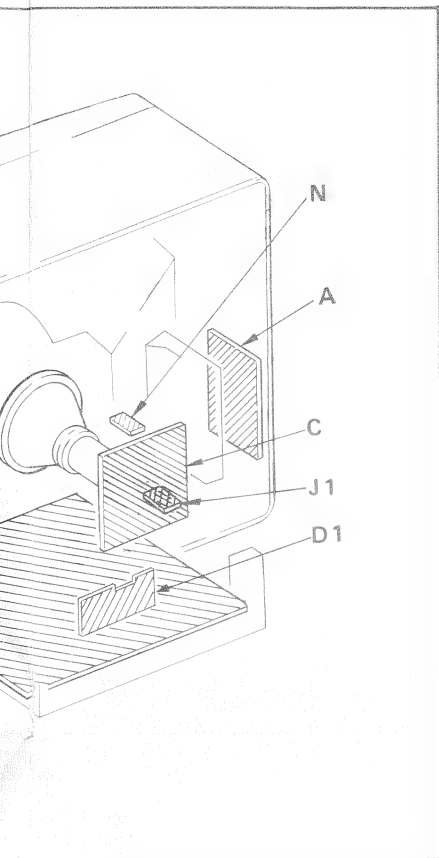
R2



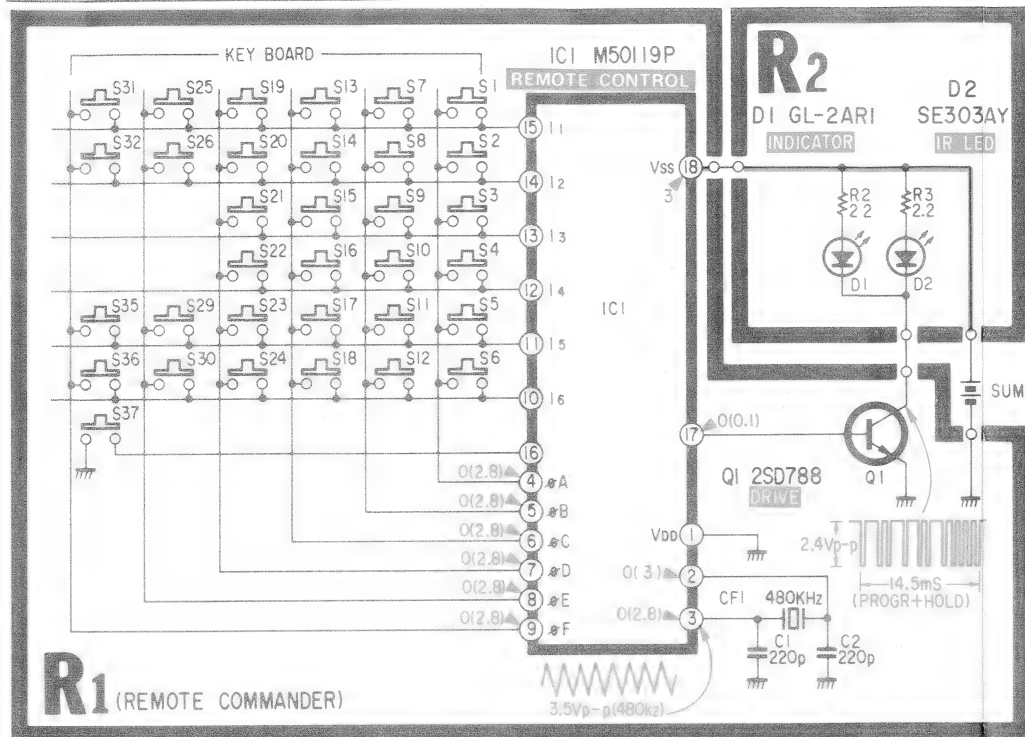
- Note:**
- All capacitors are in μF unless otherwise noted. p: μpF . 50WV or less are not indicated except for electrolytics.
 - All resistors are in ohms, 1/6W unless otherwise noted. $\text{k}\Omega = 1000\Omega$, $\text{M}\Omega = 1000\text{k}\Omega$
 - All voltages are in V.
 - Voltages are dc with respect to ground unless otherwise noted.
 - Reading are taken with a 10 M Ω digital multimeter.

- Voltages and waveform pressed.
- Voltages in () are tak
- Voltage variations m
- production tolerances.
-  : B + bus.





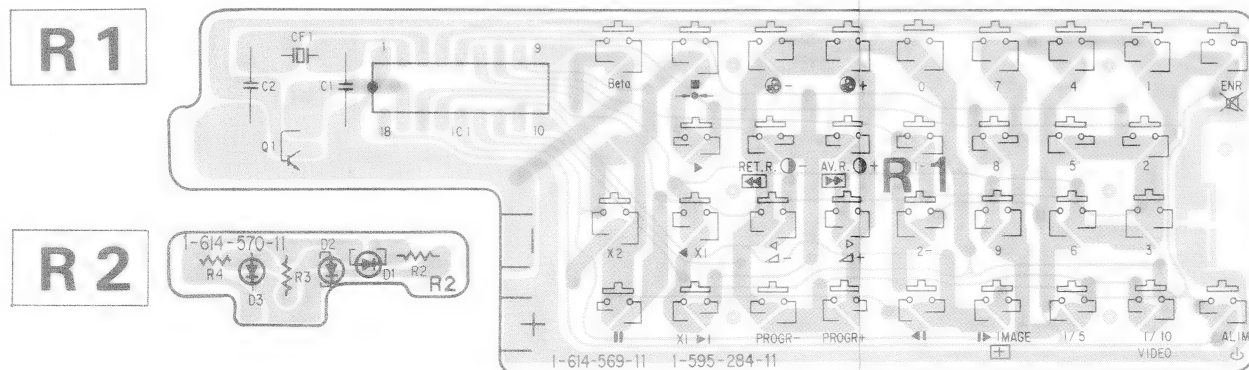
REMOTE COMMANDER RM-635



R1 (REMOTE COMMANDER)

KEY MATRIX

	A	B	C	D	E	F
11	S1	1	S7	2	S13	3
12	S2	4	S8	5	S14	6
13	S3	7	S9	8	S15	9
14	S4	0	S10	X1	S16	X1
15	S5	+	S11	+	S17	+
16	S6	-	S12	-	S18	-
					S21	VIDEO I/O
					S22	1/5
					S23	PROGR +
					S24	PROGR -
					S25	
					S26	X2
					S27	
					S28	
					S29	▶
					S30	▶▶
					S31	⊗
					S32	⊙
					S33	
					S34	
					S35	▶▶ FRAME
					S36	▶
					S37	Beta

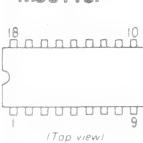


Note:

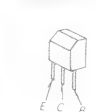
- All capacitors are in μF unless otherwise noted. p : μF 50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.
k Ω = 1000 Ω , M Ω = 1000k Ω
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Reading are taken with a 10 M Ω digital multimeter.

- Voltages and waveform are for when 1 button is pressed.
- Voltages in () are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.

M50119P



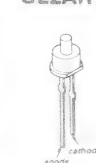
2SD773



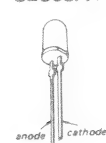
2SC1474
2SD788



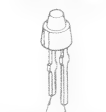
GL2AR1



SE303AY



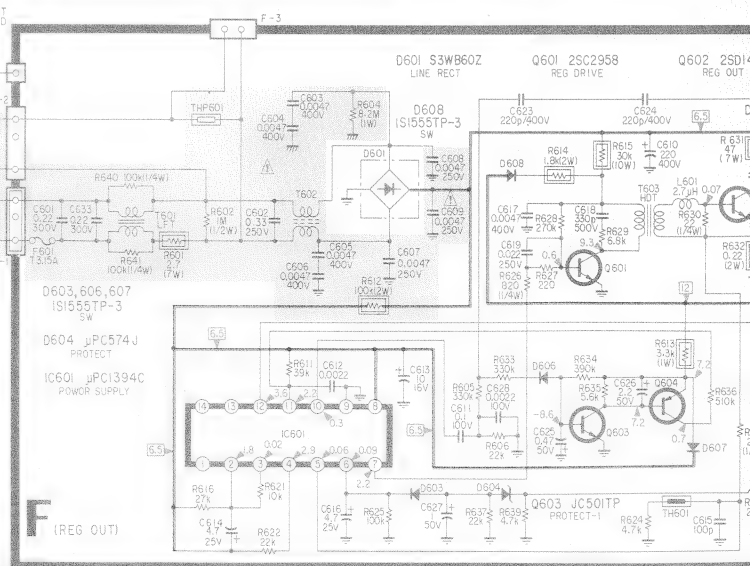
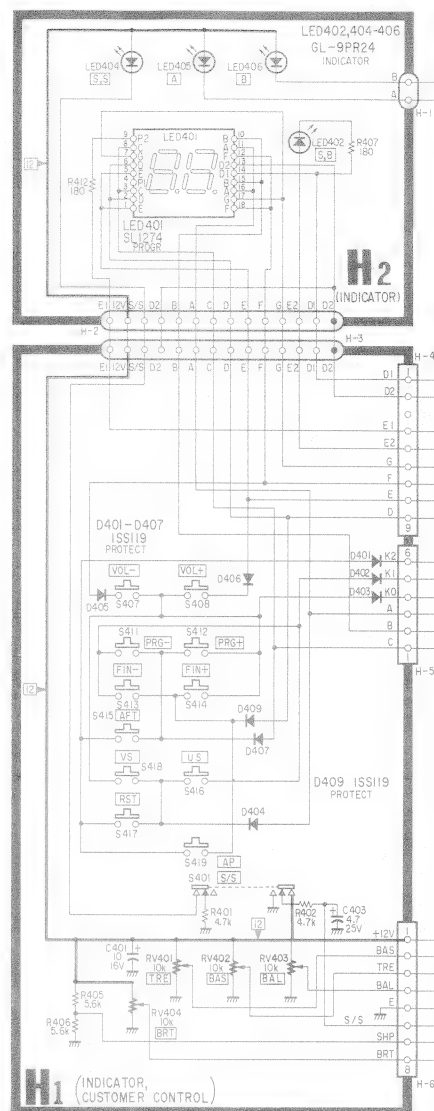
SLP144B



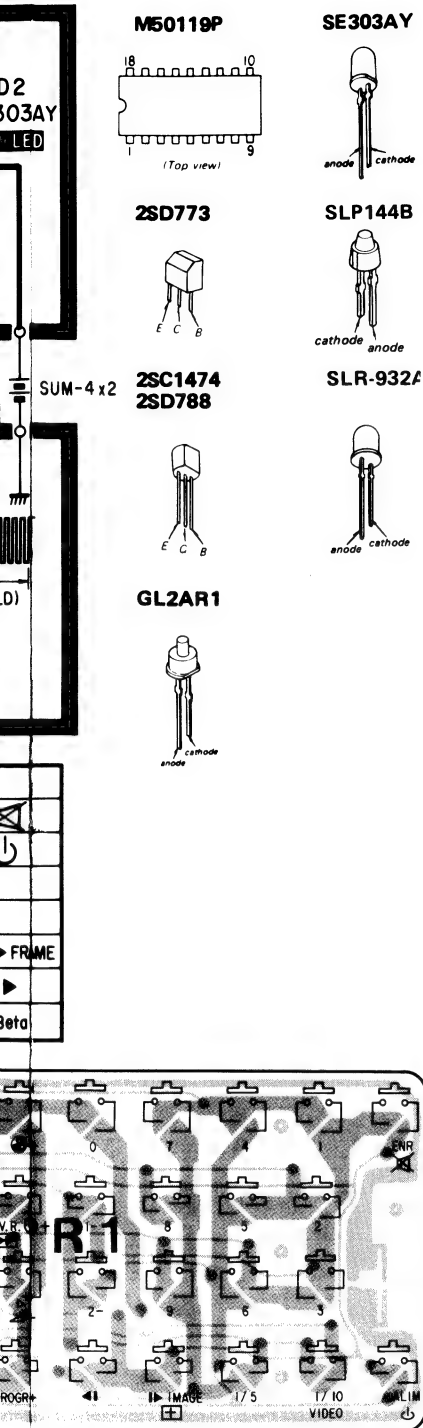
SLR-932A



SCHEMATIC DIAGRAM



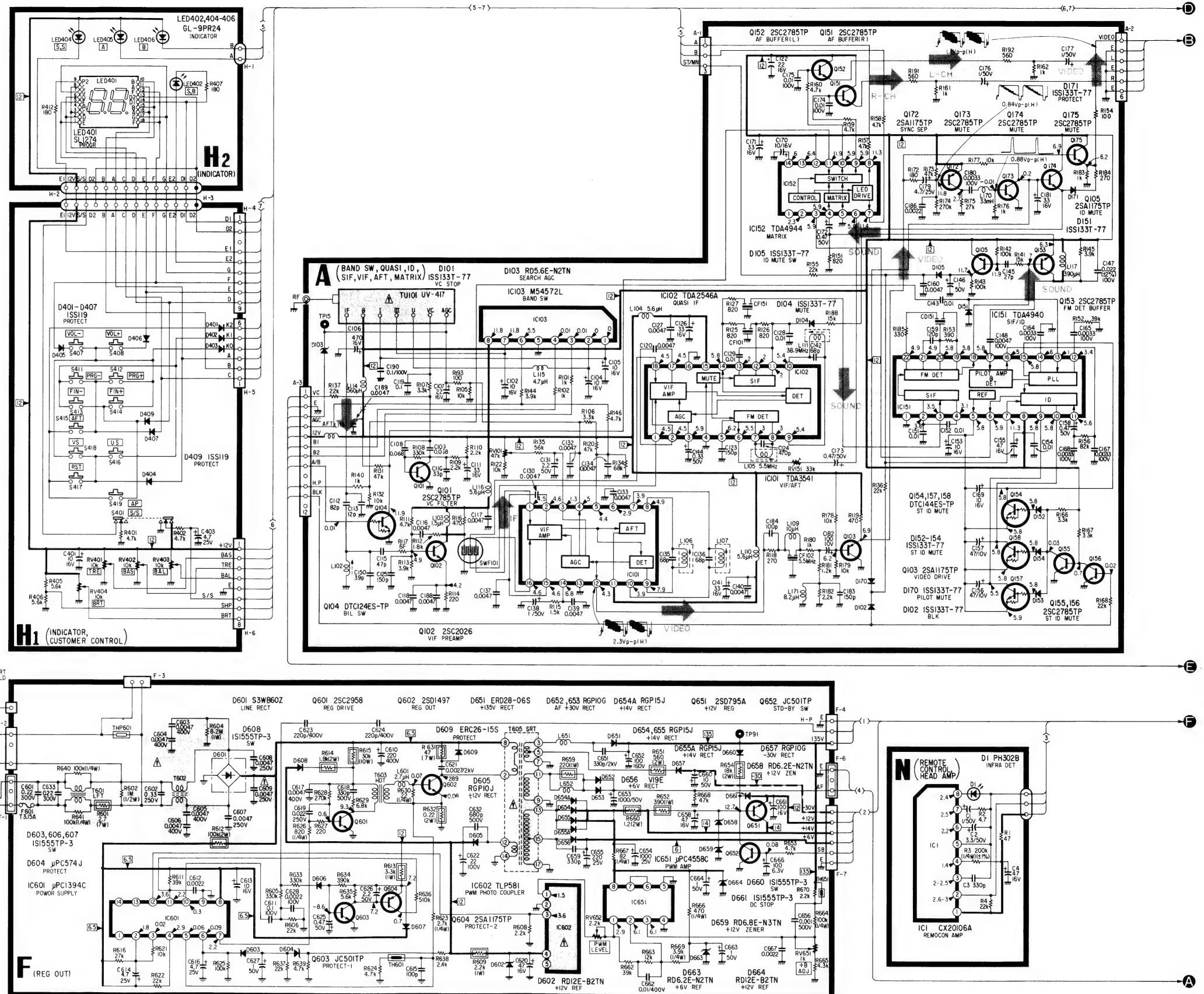
SCHEMATIC DIAGRAM

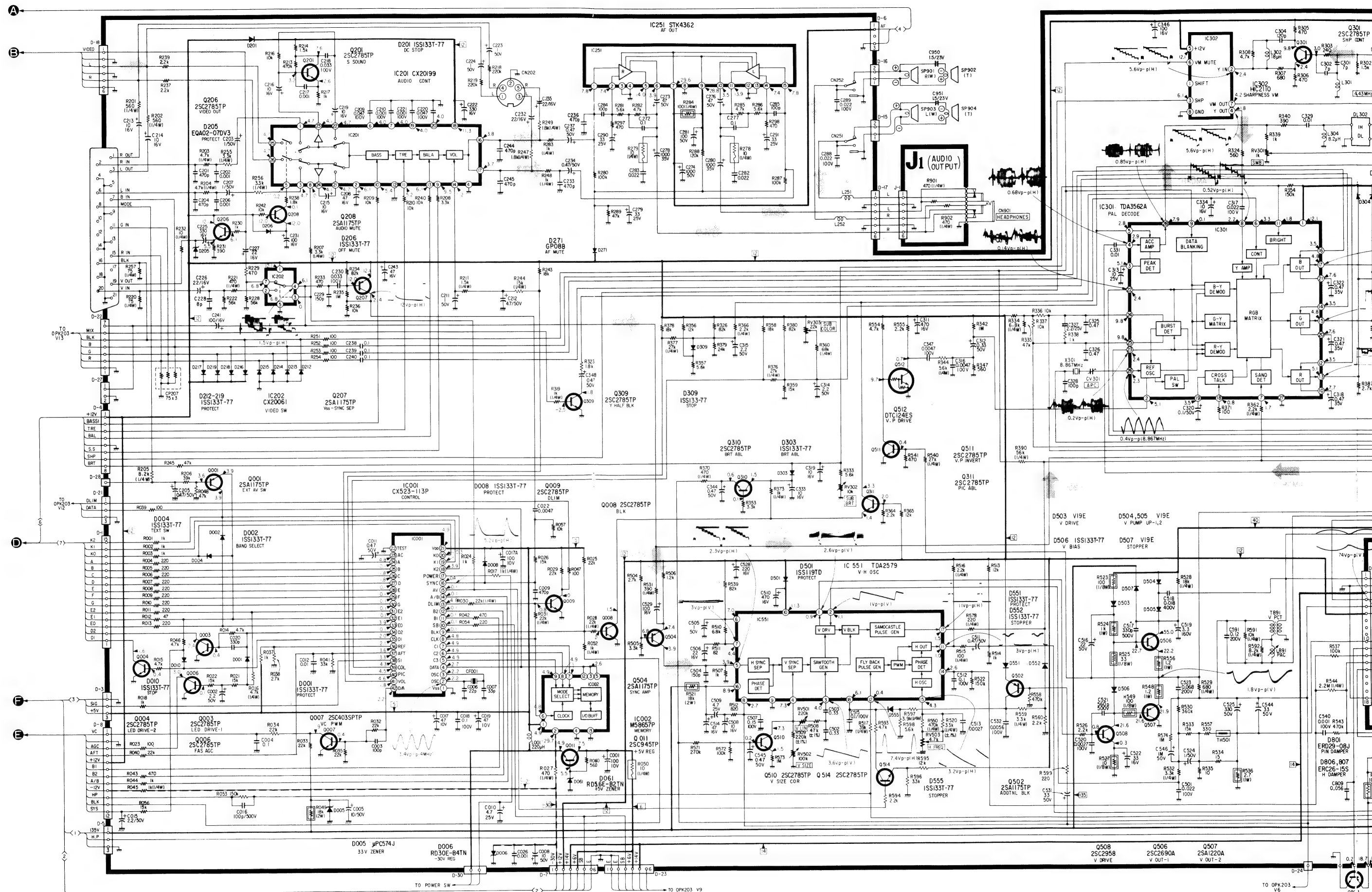


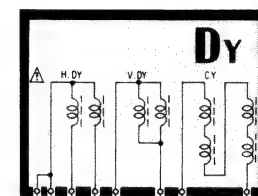
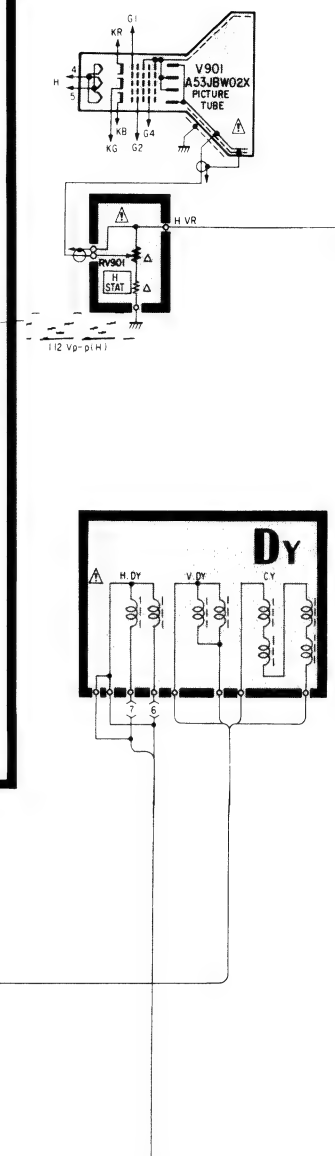
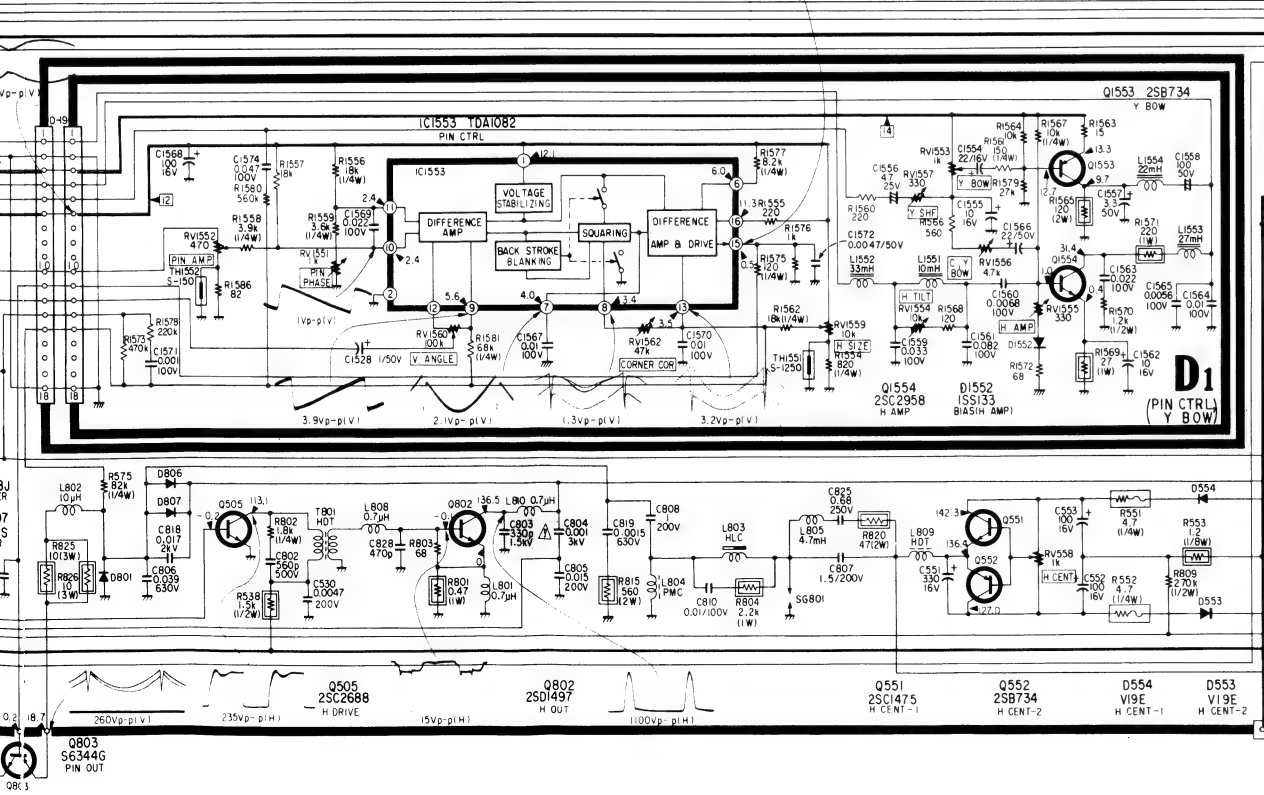
reforms are for when ☐ 1 button is

are taken with button not pressed.

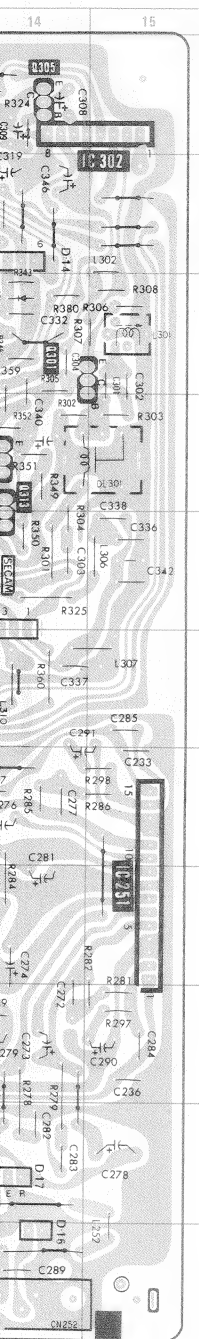
ns may be noted due to normal
ances.







[BAND SW, QUASI, ID,
SIF, VIF, AFT, MATRIX]



RV101 = D-4

- SEPARATION ADJUSTMENT

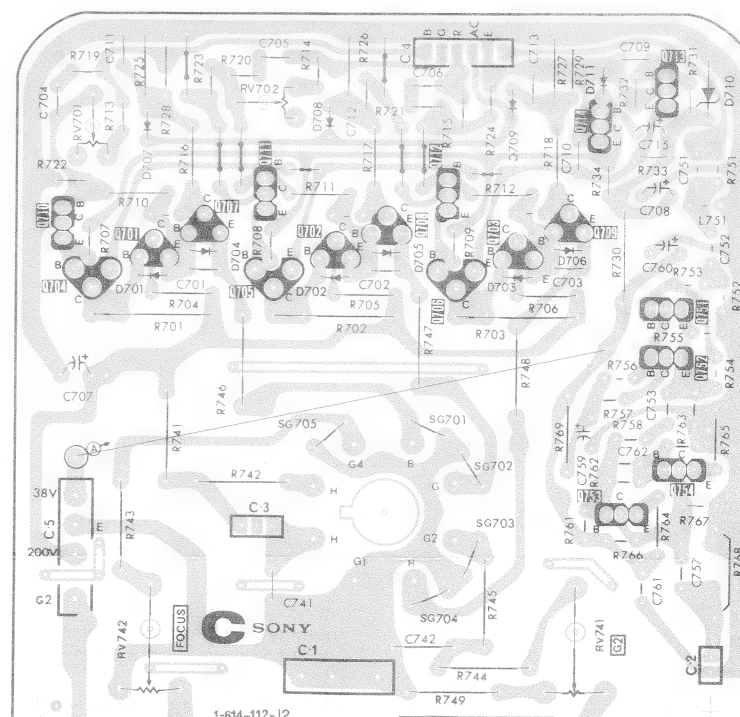
RV151 = D-8

- #### SIF ADJUSTMENT

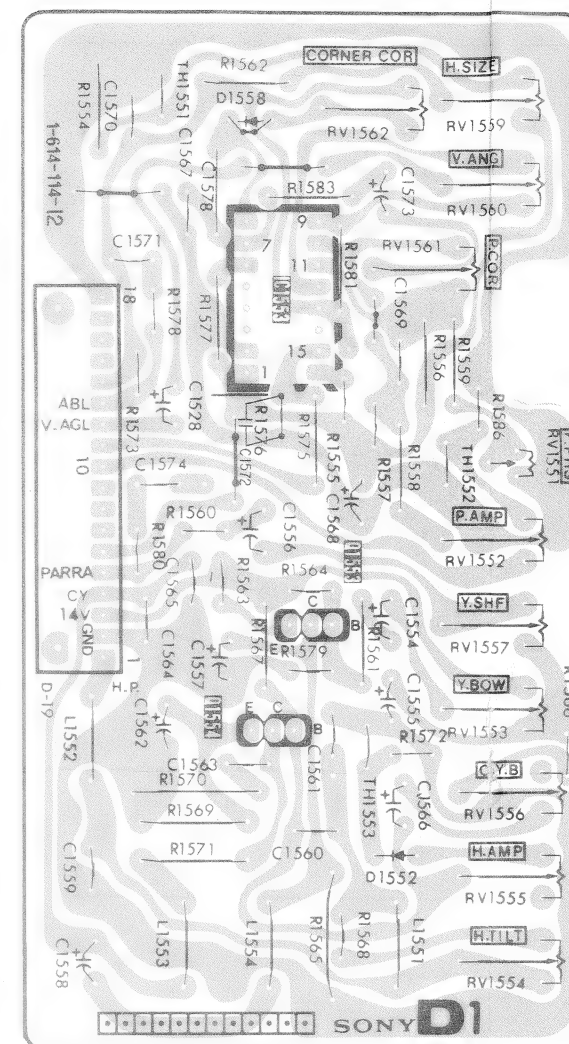
L105 = E-5

- | CONNECTOR | | C169 C-7
C170 D-7
C171 D-7
C172 C-6
C173 D-7
C174 D-8
C175 D-8
C176 D-9 | TRANSISTOR | | R162 E-9
R166 A-9
R167 A-9
R168 A-8 |
|----------------------------|--|--|--|--|--|
| A1 B-9
A2 C-9
A3 A-1 | | | Q101 E-2
Q102 C-4
Q103 E-8
Q104 D-1
Q105 E-8
Q151 E-9 | | |
| CAPACITOR | | | | | R172 E-8
R173 E-7 |

[R, G, B OUT]



[PIN CTRL, Y BOW]

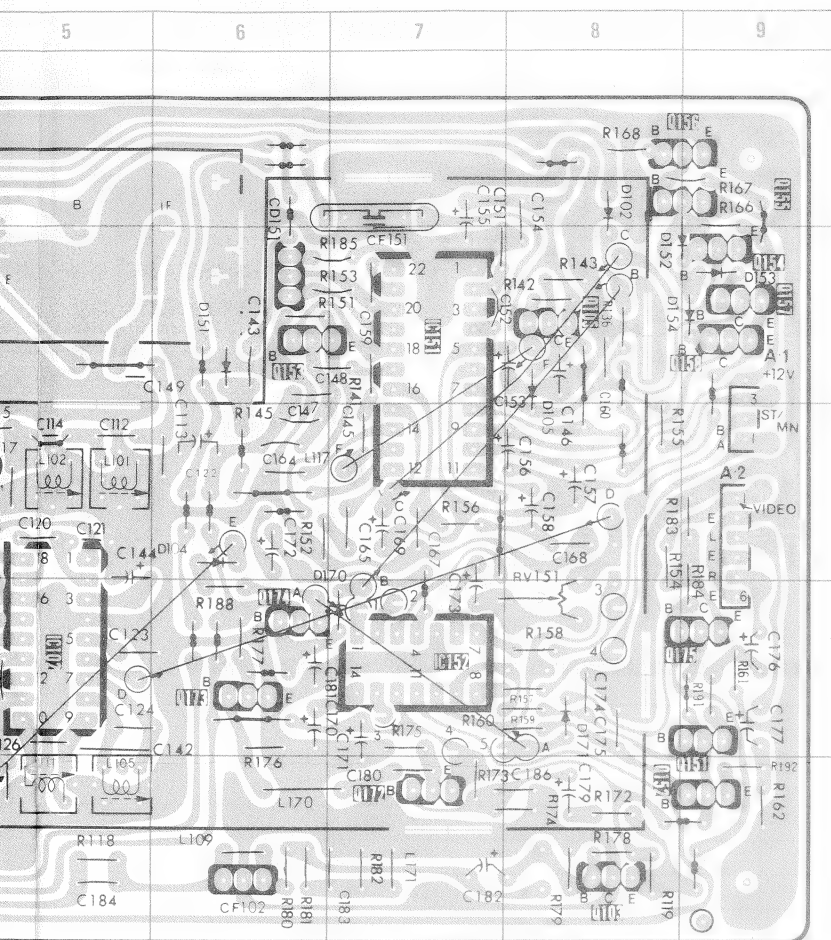


CX20061
CX20106
CX20106A
M54572L

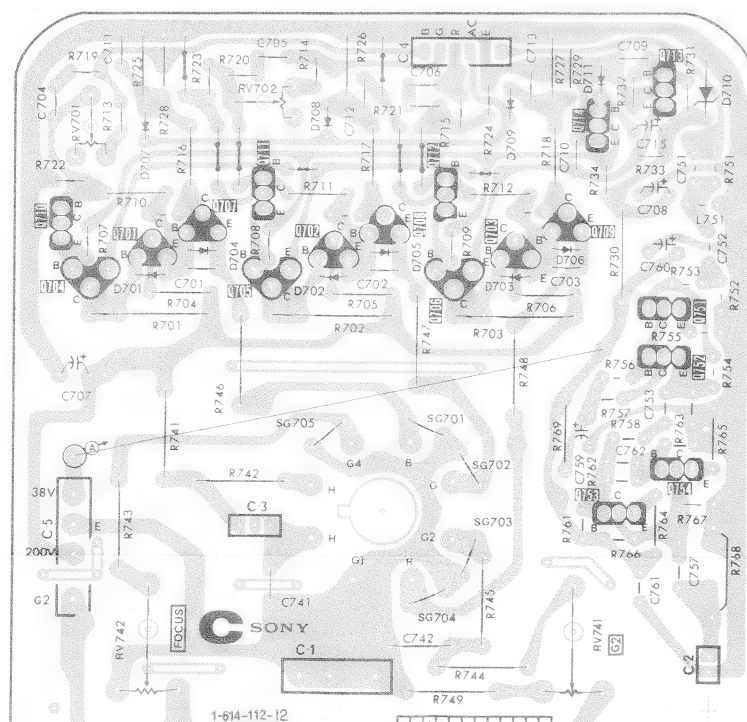
TDA1082
TDA3541

μPC4558C

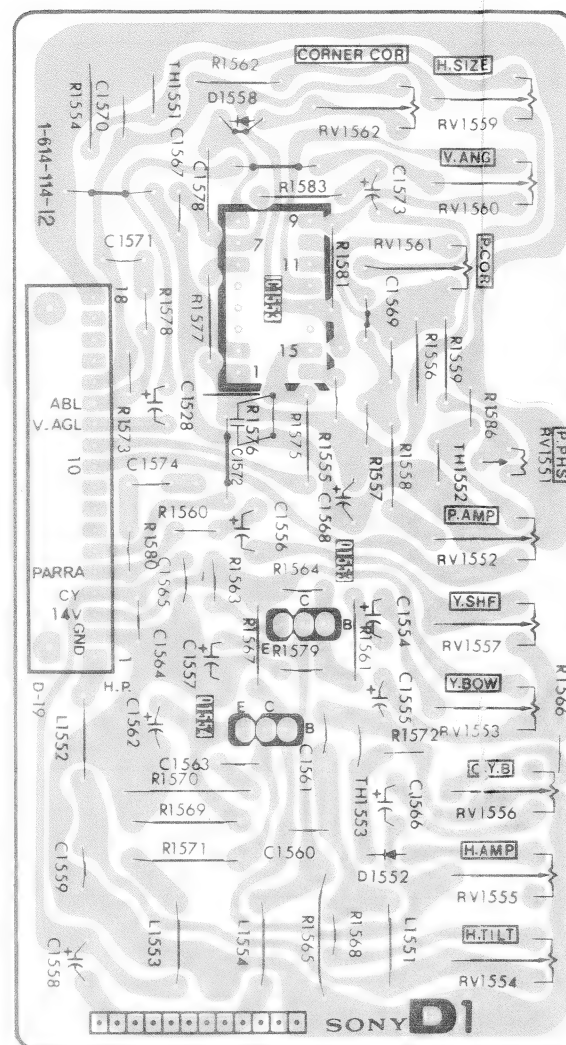
(Top view)



C [R, G, B OUT]



D1 [PIN CTRL, Y BOW]





RELE

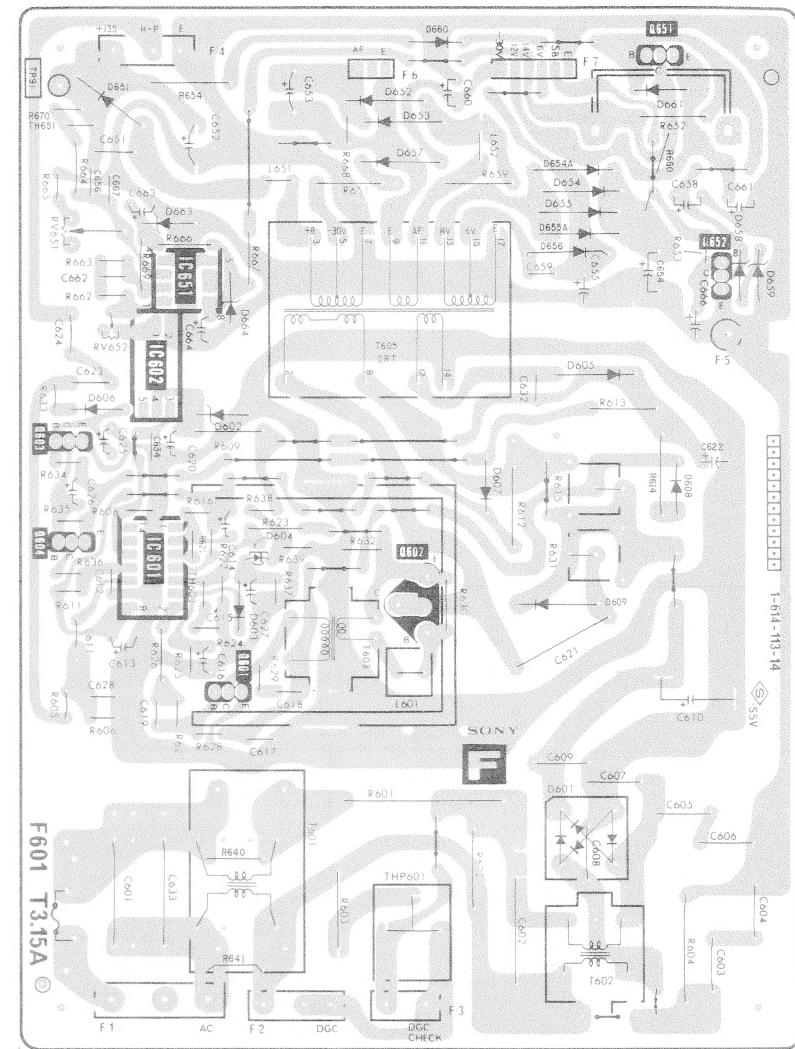
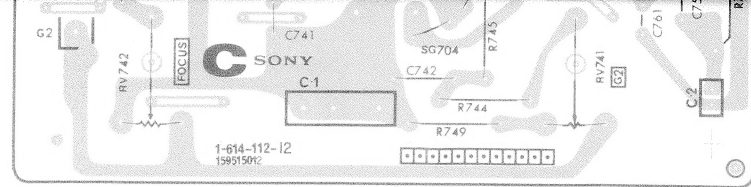
SONY

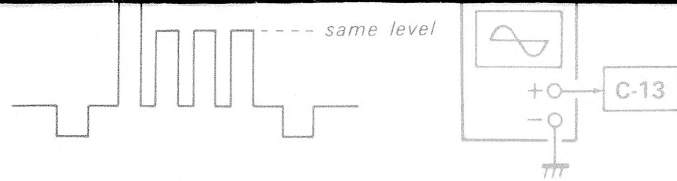
R902

R901

CN901

1-614-116-11





APC ADJUSTMENT

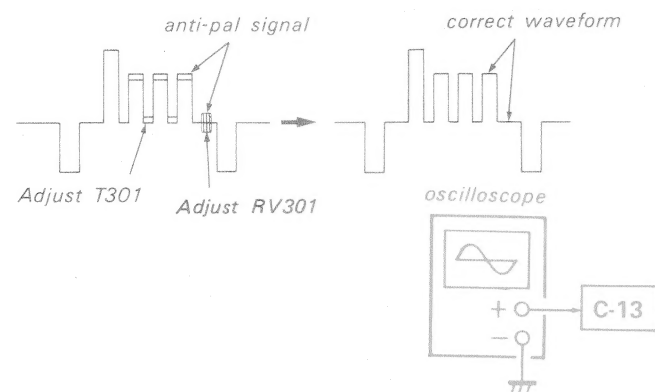
CV301 = C-12

1. Receive a color bar signal.
2. Each controls at normal.
3. Short circuit between pin ② and pin ③ of IC301 with a jumper.
4. Connect Resistor (100 kΩ/1/4W) between pin ②④ and pin ②⑤.
5. Adjust CV301 to obtain the stable color picture.
6. Disconnect the Resistor and jumper.

1H DL ADJUSTMENT

T301 = E-12, RV301 = D-12

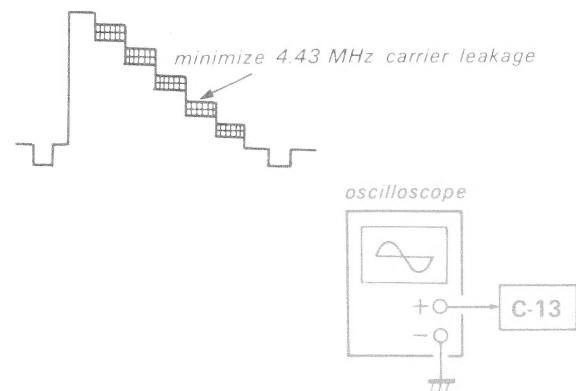
1. Receive a color bar signal.
2. Set the picture control at Norm and color control at minimum.
3. Connect an Oscilloscope at pin ①⑦ of IC301.
4. Get tracking with both T301 and RV301 as shown.



4.43 MHz TRAP ADJUSTMENT

L301 = C-15

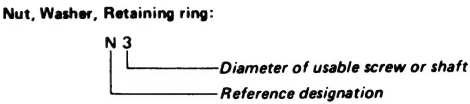
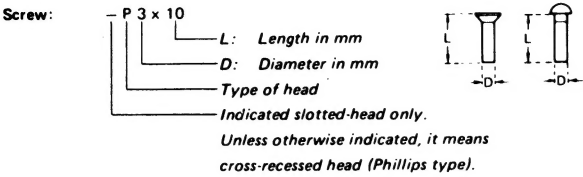
1. Receive a color-bar signal.
2. Connect an Oscilloscope at pin ①⑦ of IC301.
3. Set the picture control at norm, color control at minimum and BRIGHTNESS control to mechanical center.
4. Adjust L301 for minimum 4.43 MHz component.



D

CAPACITOR		C291 F-14		C810 C-3		D501 K-6		TRANSISTOR		R335 D-13		R552 J-4	
C001 E-6 C002 A-9 C003 A-8 C004 D-9 C005 D-9 C006 C-8 C007 C-8 C008 D-9 C009 B-5 C010 B-4		C301 C-15	C812 G-2	D503 G-8	Q001 B-5 Q003 A-8 Q004 A-8 Q006 A-9 Q007 C-9 Q008 C-6 Q009 C-6 Q011 E-6 Q201 I-13 Q206 H-11	R047 D-6 R048 A-5 R049 D-6 R050 E-7 R052 D-7 R053 E-5 R054 D-7 R056 B-5 R057 C-5 R060 E-6	R336 D-13 R337 E-13 R338 D-13 R339 D-11 R340 C-11 R341 D-12 R342 B-12 R343 C-14 R344 B-10	R553 H-3 R554 F-9 R555 F-10 R556 F-8 R557 I-7 R558 I-9 R559 I-8 R560 H-8 R571 J-9					
		C302 C-15	C813 J-4	D504 G-8									
		C303 E-14	C814 H-2	D505 G-8									
		C304 C-14	C815 K-5	D506 G-9									
		C311 B-11	C816 K-3	D507 E-6									
		C312 B-11	C818 F-2	D551 I-8									
		C313 B-12	C819 A-2	D552 H-9									
			C821 I-4	D553 I-3									
			C822 I-4	D554 I-3									
			C824 H-3										
C011 B-6 C012 B-9 C015 B-5 C016 D-6 C017 A-5 C017A B-6 C018 A-5 C019 C-8 C020 A-8 C022 E-9		C314 A-13	C825 D-4	D555 I-7	Q207 G-10 Q208 H-11 Q301 C-14 Q309 A-13 Q310 C-10 Q311 A-10 Q312 D-14 Q313 D-14 Q502 I-9 Q504 I-9	R201 J-11 R202 J-11 R203 J-9 R204 K-9 R205 K-9 R206 B-5 R207 H-11 R208 H-12 R209 H-11	R345 C-14 R347 A-12 R348 E-14 R349 D-14 R350 E-14 R351 D-14 R352 D-14 R353 C-10 R354 G-12 R356 A-13	R572 J-9 R573 J-9 R574 I-7 R575 E-2 R578 I-8 R591 E-5 R592 E-5 R593 I-7 R594 E-8 R595 E-8					
		C315 A-12	C828 H-1	D801 B-1									
		C316 A-11		D802 G-2									
		C317 A-12		D803 H-2									
		C318 B-14		D804 K-4									
		C319 B-14		D806 F-1									
		C320 C-13		D807 F-1									
		C321 D-13											
		C322 D-13											
		C323 D-13											
C026 E-10 C201 K-9 C202 J-10 C203 J-12 C204 K-9 C205 B-4 C206 J-9 C207 J-10 C208 I-12		C324 D-13			G505 K-5 G506 F-9 G507 H-7 G508 H-9 G510 J-9 G511 F-10 G512 E-9 G514 F-8 G551 I-5 G552 I-5	R210 H-12 R211 G-11 R213 I-13 R214 H-13 R216 H-13 R217 I-13 R218 K-12 R219 K-12 R220 K-12	R357 A-13 R358 B-8 R359 C-14 R360 F-14 R362 A-10 R364 B-10 R365 A-10 R366 A-12 R367 B-13	R596 F-8 R597 I-8 R598 J-7 R599 G-6 R601 H-1 R602 K-5 R603 G-1 R604 D-3 R605 G-2 R606 G-3 R607 J-4 R608 J-3					
		C325 D-13											
		C326 E-13											
		C327 D-13											
		C328 E-13											
		C329 D-11											
		C331 B-12											
		C332 C-14											
		C333 B-10											
		C334 A-11											
C209 H-11 C210 I-11 C211 G-12 C212 D-10 C213 J-10 C214 K-10 C215 I-13 C216 I-13 C217 I-13 C218 H-13		C336 E-15			IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	R221 I-10 R222 I-10 R228 I-10 R229 I-10 R230 I-11 R231 I-10 R232 K-11 R233 H-10 R234 G-10 R235 G-10	R368 B-13 R369 C-13 R370 C-10 R371 C-13 R373 B-10 R376 B-9 R377 B-9 R378 B-9 R379 A-12 R380 C-14	R609 J-4 R610 I-1 R611 K-3 R612 K-4 R613 J-5 R614 G-2 R617 H-3 R620 E-4 R625 C-2 R626 C-2					
		C337 F-14											
		C338 E-15											
		C339 B-13											
		C340 D-14											
		C341 D-13											
		C342 E-15											
		C343 E-13											
		C344 C-10											
		C346 B-14											
C219 H-13 C220 H-13 C221 H-13 C222 G-13 C223 K-12 C224 K-12 C225 I-11 C226 I-11 C227 I-11 C228 J-11		C347 B-10			L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	R236 G-10 R237 J-12 R238 H-11 R239 J-12 R240 G-12 R242 H-11 R243 C-9 R244 C-10 R245 G-13 R247 J-12	R382 E-13 R383 E-13 R385 B-13 R386 C-13 R387 B-13 R390 F-12 R504 I-9 R505 I-9 R506 I-9	RV301 D-12 RV302 G-12 RV303 G-13 RV501 I-8 RV502 J-8 RV503 J-7 RV558 I-5					
		C348 A-13											
		C501 J-8											
		C502 J-7											
		C503 J-8											
		C504 J-8											
		C505 J-9											
		C506 K-9											
		C507 K-8											
		C508 K-8											
C229 H-10 C230 G-10 C231 H-11 C232 J-13 C233 G-15 C234 G-13 C235 K-13 C236 I-15 C237 J-14 C238 C-12		C509 K-8			L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	R248 H-13 R249 J-12 R251 D-10 R252 D-11 R253 D-11 R254 D-11 R255 J-11 R256 J-11 R257 K-11 R278 I-14	R507 J-9 R508 J-8 R509 J-8 R510 K-8 R511 K-9 R512 K-8 R513 K-6 R514 K-5 R515 K-6 R516 K-6	SG801 D-3					
		C510 K-7											
		C511 K-6											
		C512 K-7											
		C513 J-7											
		C514 K-7											
		C515 J-7											
		C516 G-8											
		C517 G-8											
		C518 H-8											
C239 C-11 C240 B-11 C241 J-10 C243 H-10 C244 I-13 C245 G-13 C272 I-14 C273 I-14 C274 H-14 C276 G-14 C277 G-14 C278 J-15		C519 F-7			L891 F-6	R279 I-14 R280 I-14 R281 H-15 R282 H-15 R283 I-13 R284 H-14 R285 G-14 R286 G-15 R287 G-14 R288 G-13	R517 K-6 R520 J-7 R521 I-6 R522 J-6 R523 G-8 R524 G-9 R525 H-9 R526 I-8 R527 G-9 R528 G-7	T301 E-12 T801 J-5 T802 J-2 T891 D-5					
		C520 H-9											
		C521 H-9											
		C522 G-9											
		C523 G-7											
		C524 I-7											
		C525 G-6											
		C527 F-5											
		C528 E-8											
		C529 J-9											
C279 I-14 C280 J-13 C281 H-14 C282 J-14 C283 J-14 C284 I-15 C285 F-15 C288 K-13 C289 K-14 C290 I-15		C530 J-5			R001 B-7 R002 A-6 R004 B-6 R005 D-9 R006 E-10 R008 C-6 R010 B-6 R021 G-13 R025 I-11 R026 H-10 R0212 F-11 R0213 F-11 R0215 F-11 R0216 F-11 R0217 E-11	R289 I-14 R297 I-15 R298 G-15 R301 E-14 R302 D-14 R303 D-15 R304 E-14 R305 C-14 R306 C-15 R307 C-14	R539 J-9 R540 F-9 R541 G-9 R544 J-6 R547 F-4 R548 G-7 R549 H-8 R550 J-7 R551 I-4	CP207 D-10					
		C531 G-6											
		C532 I-9											
		C534 J-6											
		C543 G-5											
		C544 G-6											
		C545 J-9											
		C546 I-7											
		C551 J-4											
		C552 I-4											
C291 F-14 C301 C-15 C302 C-15 C303 E-14 C304 C-14 C311 B-11 C312 B-11 C313 B-12		C553 I-4			D218 E-11 D219 E-11 D271 G-13 D303 B-11 D304 B-13 D305 C-13 D306 C-13 D307 C-13 D308 C-14 D309 A-13	R308 C-8 R309 C-8 R319 A-10 R323 A-13 R324 A-14 R325 E-14 R326 A-12 R332 D-14 R333 G-12 R334 D-13							
		C314 A-13											
		C315 A-12											
		C316 A-11											
		C317 A-12											
		C318 B-14											
		C319 B-14											
		C320 C-13											
		C321 D-13											
		C322 D-13											
C026 E-10 C201 K-9 C202 J-10 C203 J-12 C204 K-9 C205 B-4 C206 J-9 C207 J-10 C208 I-12		C323 D-13			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C324 D-13											
		C325 D-13											
		C326 E-13											
		C327 D-13											
		C328 E-13											
		C329 D-11											
		C331 B-12											
		C332 C-14											
		C333 B-10											
C219 H-13 C220 H-13 C221 H-13 C222 G-13 C223 K-12 C224 K-12 C225 I-11 C226 I-11 C227 I-11 C228 J-11		C334 A-11			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C336 E-15											
		C337 F-14											
		C338 E-15											
		C339 B-13											
		C340 D-14											
		C341 D-13											
		C342 E-15											
		C343 E-13											
		C344 C-10											
C219 H-13 C220 H-13 C221 H-13 C222 G-13 C223 K-12 C224 K-12 C225 I-11 C226 I-11 C227 I-11 C228 J-11		C346 B-14			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C347 B-10											
		C348 A-13											
		C501 J-8											
		C502 J-7											
		C503 J-8											
		C504 J-8											
		C505 J-9											
		C506 K-9											
		C507 K-8											
C229 H-10 C230 G-10 C231 H-11 C232 J-13 C233 G-15 C234 G-13 C235 K-13 C236 I-15 C237 J-14 C238 C-12		C508 K-8			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C509 K-8											
		C510 K-7											
		C511 K-6											
		C512 K-7											
		C513 J-7											
		C514 K-7											
		C515 J-7											
		C516 G-8											
		C517 G-8											
C279 I-14 C280 J-13 C281 H-14 C282 J-14 C283 J-14 C284 I-15 C285 F-15 C288 K-13 C289 K-14 C290 I-15		C518 H-8			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C519 F-7											
		C520 H-9											
		C521 H-9											
		C522 G-9											
		C523 G-7											
		C524 I-7											
		C525 G-6											
		C527 F-5											
		C528 E-8											
C026 E-10 C201 K-9 C202 J-10 C203 J-12 C204 K-9 C205 B-4 C206 J-9 C207 J-10 C208 I-12		C529 J-9			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C530 J-5											
		C531 G-6											
		C532 I-9											
		C534 J-6											
		C543 G-5											
		C544 G-6											
		C545 J-9											
		C546 I-7											
		C551 J-4											
C291 F-14 C301 C-15 C302 C-15 C303 E-14 C304 C-14 C311 B-11 C312 B-11 C313 B-12		C553 I-4			DL301 D-15 DL302 D-11	IC	IC001 B-7 IC002 C-8 IC201 I-12 IC202 H-10 IC251 H-15 IC301 B-12 IC302 B-15 IC551 J-7	COIL	L001 A-5 L251 K-13 L252 K-15 L301 C-15 L302 B-15 L304 D-12 L306 E-15 L307 F-15 L308 C-14 L310 F-14	L801 G-1 L802 D-2 L803 D-4 L804 D-2 L805 C-3 L806 H-3 L808 H-1 L809 F-3 L810 G-2	L891 F-6		
		C314 A-13											
		C315 A-12											
		C316 A-11											
		C317 A-12											
		C318 B-14											
		C319 B-14											
		C320 C-13											
		C321 D-13											
		C322 D-13											
C026 E-10 C201 K-9 C202 J-10 C203 J-12 C204 K-9 C205 B-4 C206 J-9 C20													

HARDWARE NOMENCLATURE



Reference Designation	Shape	Description	Remarks
SCREWS			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		braizer-head screw	

Reference Designation	Shape	Description	Remarks
SELF-TAPPING SCREWS			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
SET SCREWS			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
NUT			
N		nut	
WASHERS			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
RETAINING RINGS			
E		retaining ring	
G		grip-type retaining ring	